

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012268.D
 Acq On : 28 Aug 2019 22:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:41:39 AM

Quant Time: Aug 29 07:07:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	242815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	145422	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.88	113	118732	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.32	98	482139	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.61	95	170626	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	73737	49.319	ug/l 94
3) Chloromethane	2.21	50	115493	49.860	ug/l 98
4) Vinyl Chloride	2.36	62	139263	49.121	ug/l 99
5) Bromomethane	2.78	94	74865	52.141	ug/l 98
6) Chloroethane	2.92	64	83157	51.995	ug/l 97
7) Trichlorofluoromethane	3.26	101	73230	51.440	ug/l 100
8) Diethyl Ether	3.68	74	70625	52.266	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120324	49.725	ug/l 99
10) Methyl Iodide	4.27	142	172108	52.567	ug/l 98
11) Tert butyl alcohol	5.17	59	42308	243.560	ug/l 99
12) 1,1-Dichloroethene	4.04	96	122944	50.479	ug/l 100
13) Acrolein	3.89	56	35470	216.924	ug/l 99
14) Allyl chloride	4.67	41	273373	52.503	ug/l 100
15) Acrylonitrile	5.37	53	173118	258.475	ug/l 100
16) Acetone	4.12	43	152422	206.578	ug/l 100
17) Carbon Disulfide	4.38	76	372797	50.647	ug/l 98
18) Methyl Acetate	4.67	43	93968	51.419	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	213248	54.142	ug/l 99
20) Methylene Chloride	4.92	84	141366	50.681	ug/l 98
21) trans-1,2-Dichloroethene	5.42	96	133560	51.138	ug/l 95
22) Diisopropyl ether	6.31	45	514643	53.323	ug/l 98
23) Vinyl Acetate	6.25	43	1596147	268.729	ug/l 100
24) 1,1-Dichloroethane	6.21	63	271432	51.652	ug/l 99
25) 2-Butanone	7.17	43	241122	240.486	ug/l 100
26) 2,2-Dichloropropane	7.16	77	146550	49.271	ug/l 99
27) cis-1,2-Dichloroethene	7.16	96	147137	52.729	ug/l 99
28) Bromochloromethane	7.51	49	116673	50.940	ug/l 98
29) Tetrahydrofuran	7.52	42	157434	261.716	ug/l 99
30) Chloroform	7.68	83	247186	51.414	ug/l 99
31) Cyclohexane	7.95	56	242123	46.570	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	195264	51.340	ug/l 99
36) 1,1-Dichloropropene	8.08	75	202686	49.635	ug/l 99
37) Ethyl Acetate	7.25	43	112272	50.173	ug/l 99
38) Carbon Tetrachloride	8.07	117	173730	49.154	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	227232	49.533	ug/l	100
40) Benzene	8.32	78	564385	50.616	ug/l	100
41) Methacrylonitrile	7.48	41	68984	52.452	ug/l	98
42) 1,2-Dichloroethane	8.40	62	178230	51.001	ug/l	100
43) Isopropyl Acetate	8.42	43	215281	51.938	ug/l	100
44) Trichloroethene	9.09	130	137057	50.563	ug/l	99
45) 1,2-Dichloropropane	9.37	63	154691	51.548	ug/l	99
46) Dibromomethane	9.46	93	68944	51.636	ug/l	99
47) Bromodichloromethane	9.65	83	184941	52.045	ug/l	100
48) Methyl methacrylate	9.43	41	102598	52.007	ug/l	99
49) 1,4-Dioxane	9.45	88	17703	866.088	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	545499	258.746	ug/l	100
52) Toluene	10.38	92	343450	51.273	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	188911	52.190	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	228616	52.308	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98139	51.950	ug/l	99
56) Ethyl methacrylate	10.65	69	147754	53.740	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185002	51.822	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	370726	262.726	ug/l	100
59) 2-Hexanone	10.97	43	366911	245.965	ug/l	99
60) Dibromochloromethane	11.13	129	110765	52.641	ug/l	98
61) 1,2-Dibromoethane	11.23	107	91029	51.723	ug/l	100
64) Tetrachloroethene	10.86	164	114752	51.320	ug/l	99
65) Chlorobenzene	11.66	112	345129	50.820	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	122812	51.838	ug/l	99
67) Ethyl Benzene	11.73	91	665469	50.869	ug/l	100
68) m/p-Xylenes	11.84	106	481714	102.225	ug/l	99
69) o-Xylene	12.16	106	226240	51.873	ug/l	99
70) Styrene	12.18	104	393359	52.106	ug/l	100
71) Bromoform	12.35	173	63099	53.456	ug/l #	99
73) Isopropylbenzene	12.46	105	627193	50.847	ug/l	99
74) N-amyl acetate	12.27	43	195923	52.573	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	114306	50.548	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	78009m	48.657	ug/l	
77) Bromobenzene	12.74	156	137258	51.436	ug/l	99
78) n-propylbenzene	12.80	91	763097	50.676	ug/l	99
79) 2-Chlorotoluene	12.89	91	434702	50.847	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	528983	51.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37571	51.381	ug/l	98
82) 4-Chlorotoluene	12.99	91	457014	51.053	ug/l	100
83) tert-Butylbenzene	13.21	119	449947	51.535	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	528666	51.061	ug/l	100
85) sec-Butylbenzene	13.38	105	633886	50.676	ug/l	100
86) p-Isopropyltoluene	13.50	119	570938	51.110	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	265330	50.834	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	262418	50.635	ug/l	99
89) n-Butylbenzene	13.82	91	568559	51.181	ug/l	100
90) Hexachloroethane	14.09	117	100670	51.365	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	234627	51.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19104	50.112	ug/l	97

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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	165943	52.443	ug/l	100
94) Hexachlorobutadiene	15.24	225	107123	51.271	ug/l	98
95) Naphthalene	15.36	128	314438	50.585	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	147820	53.543	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

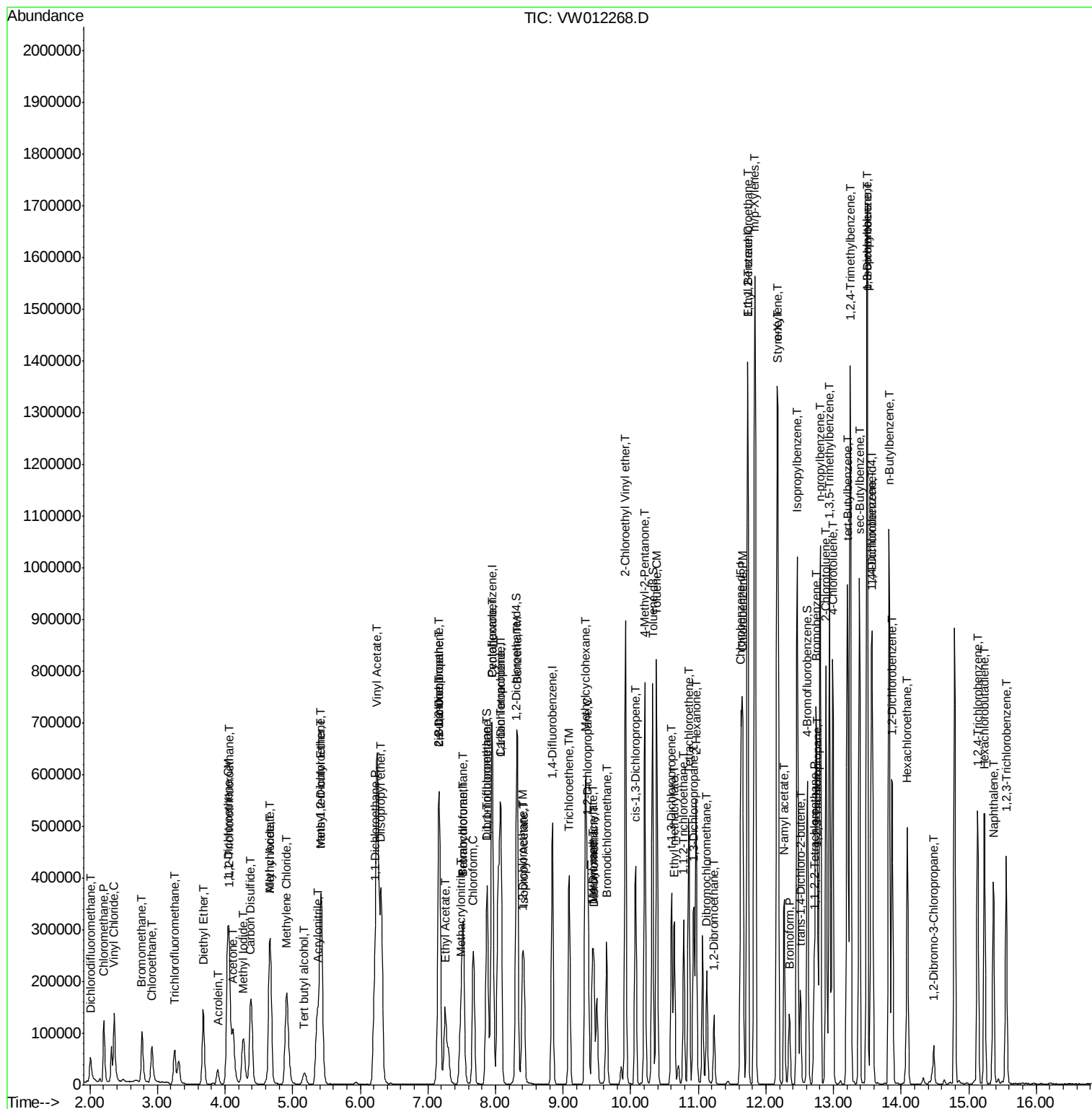
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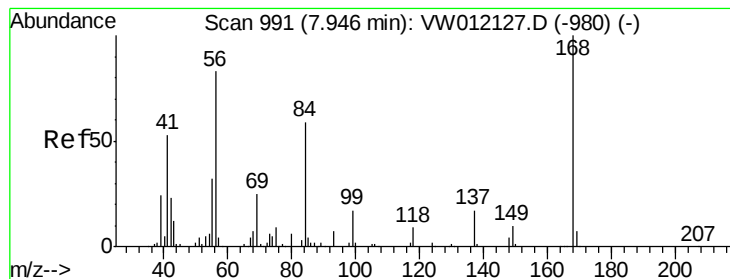
Instrument :
MSVOA_W
Client Sampled :
VSTDCCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 242815

Ion Ratio Lower Upper

168 100

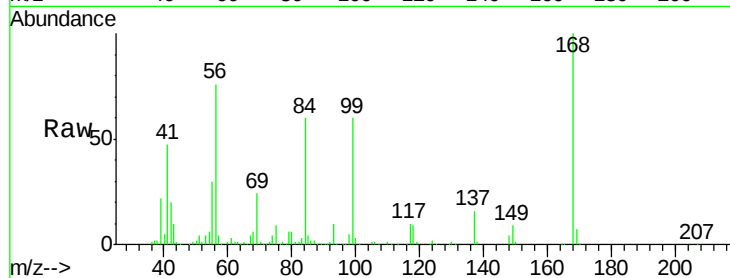
99 59.8 49.2 73.8

Manual Integrations

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8/29/2019 9:41:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

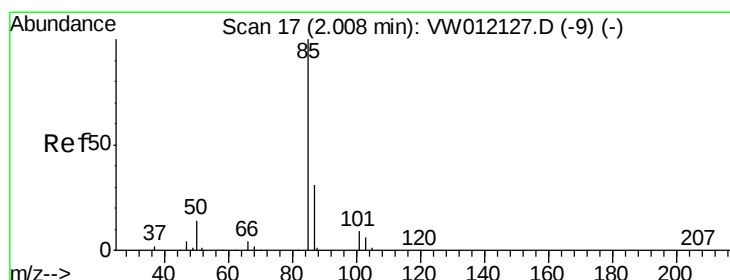
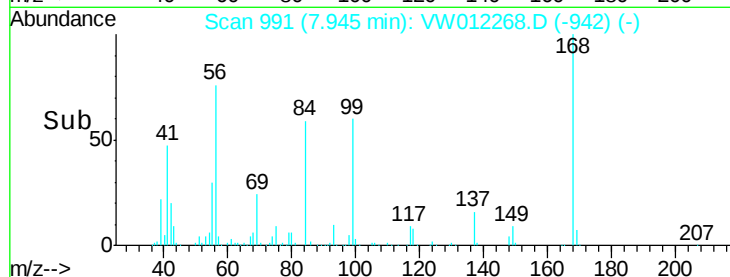
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 49.319 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012268.D

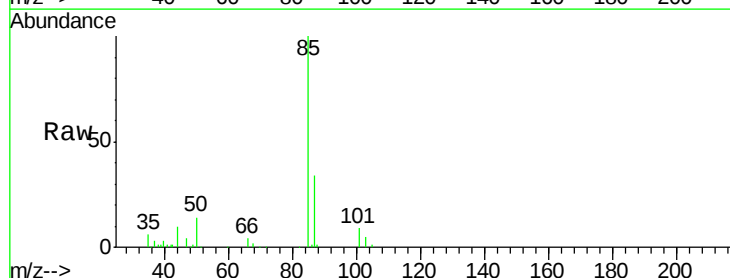
Acq: 28 Aug 2019 22:34

Tgt Ion: 85 Resp: 73737

Ion Ratio Lower Upper

85 100

87 34.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

15000

10000

5000

0

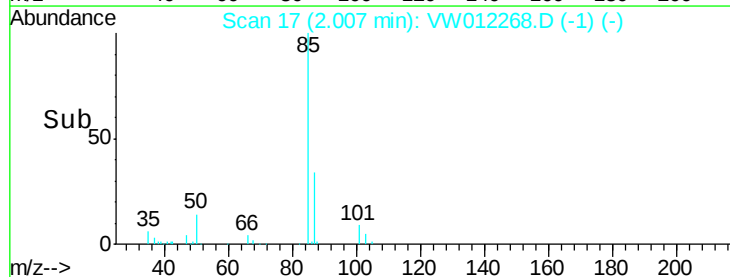
1.90

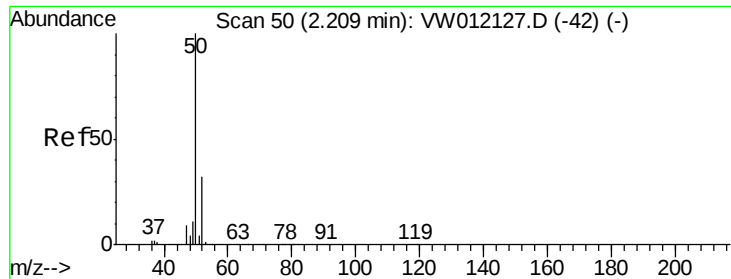
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 49.860 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 115493

Ion Ratio Lower Upper

50 100

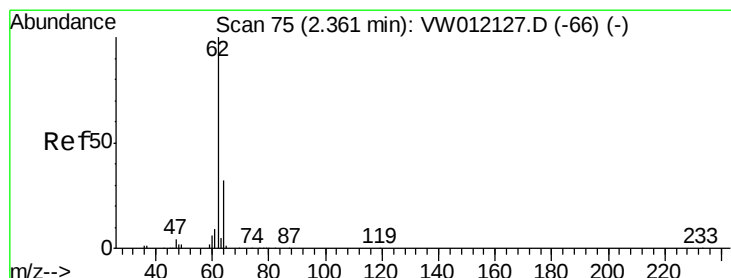
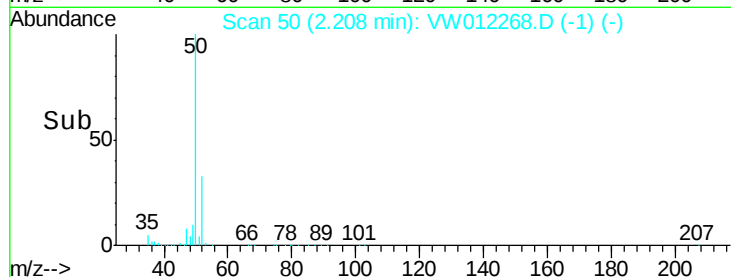
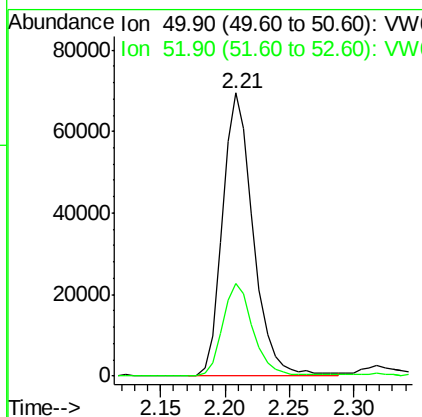
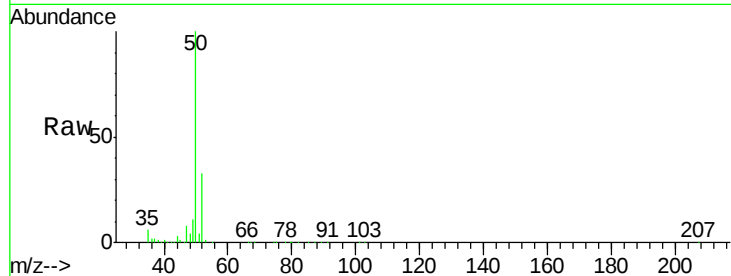
52 32.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.121 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012268.D

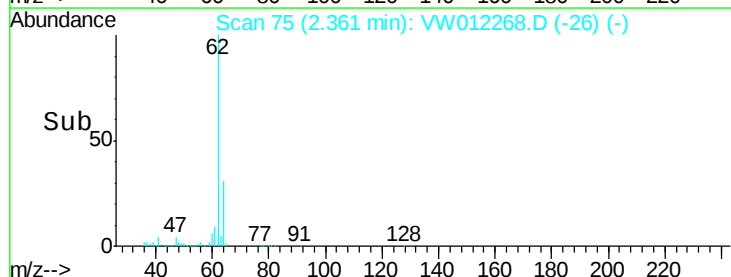
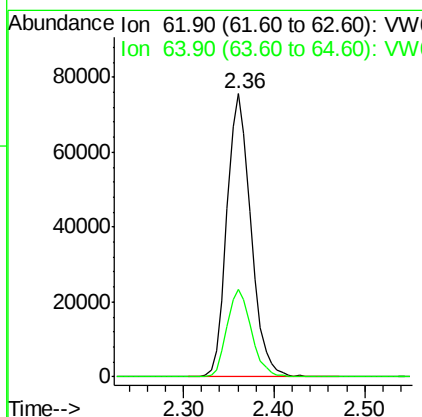
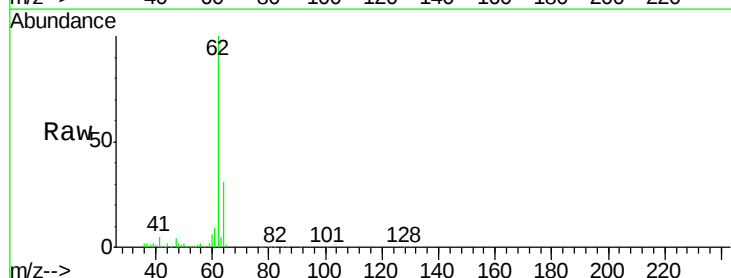
Acq: 28 Aug 2019 22:34

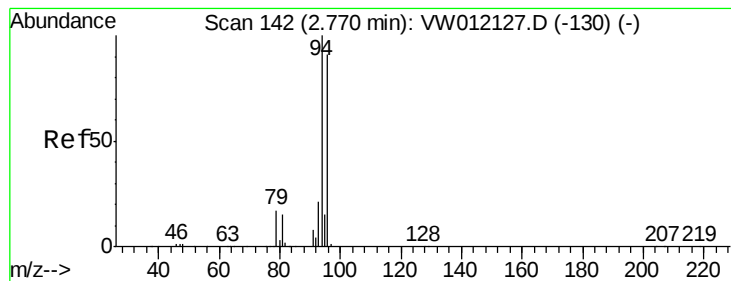
Tgt Ion: 62 Resp: 139263

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 52.141 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 74865

Ion Ratio Lower Upper

94 100

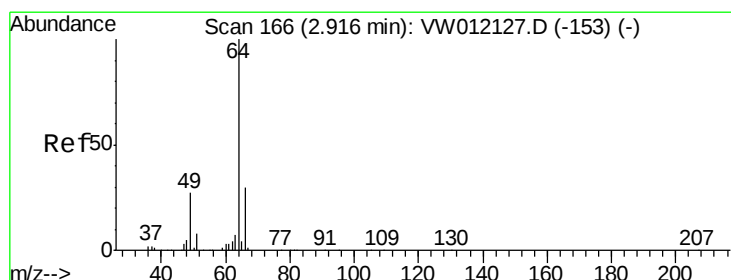
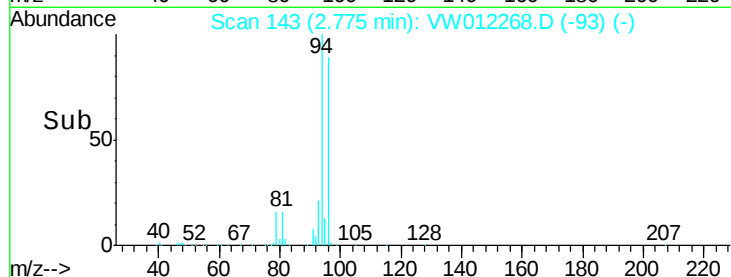
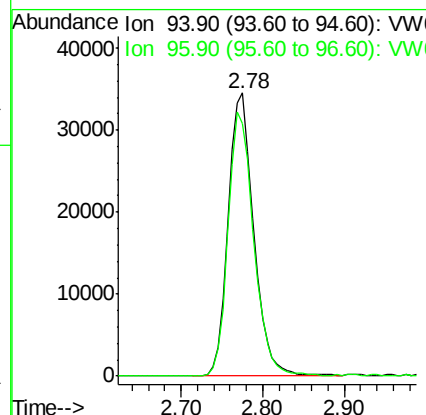
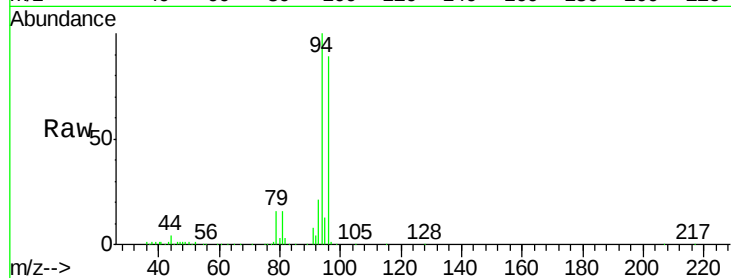
96 89.3 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 51.995 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012268.D

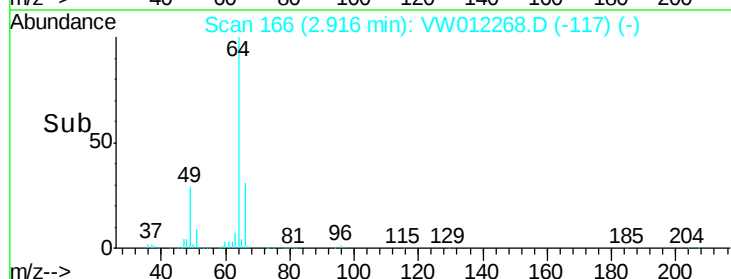
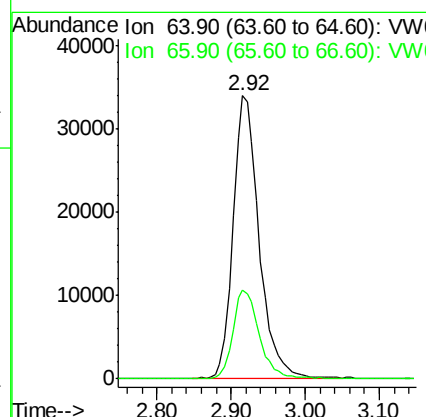
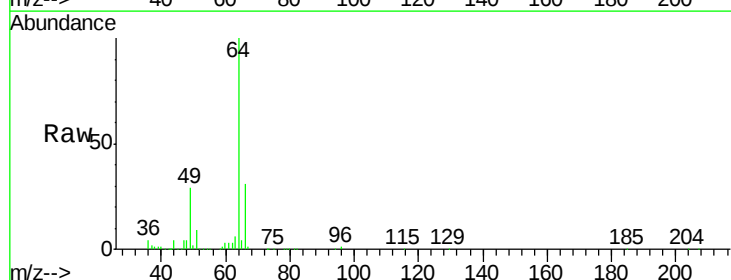
Acq: 28 Aug 2019 22:34

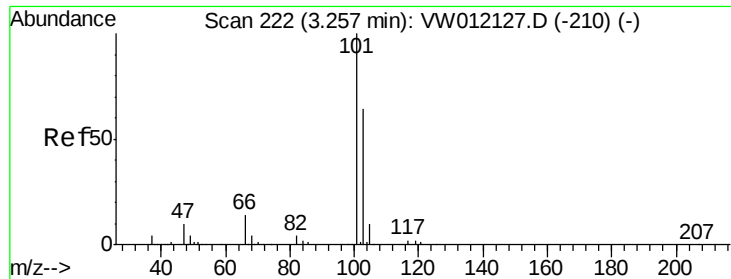
Tgt Ion: 64 Resp: 83157

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.8





#7

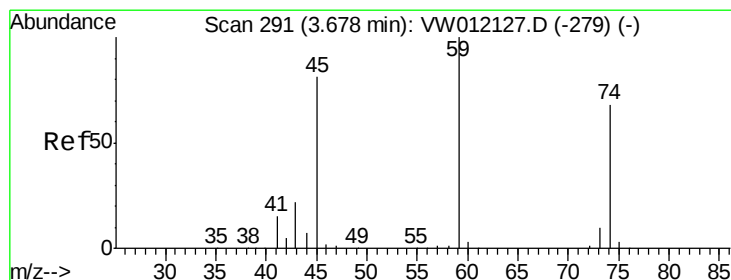
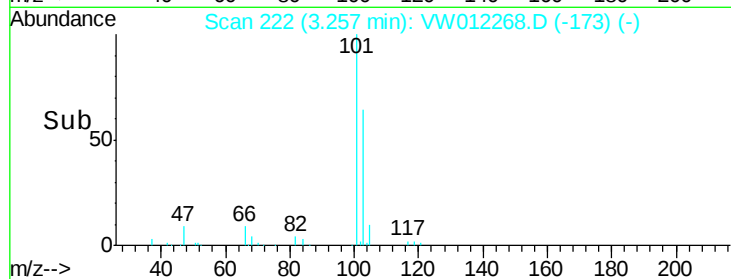
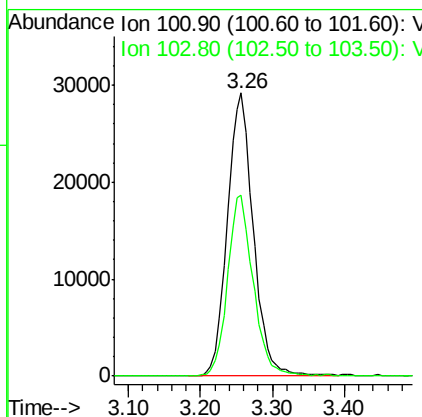
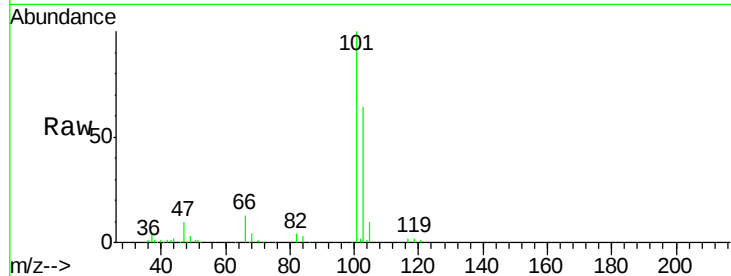
Trichlorofluoromethane
 Concen: 51.440 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

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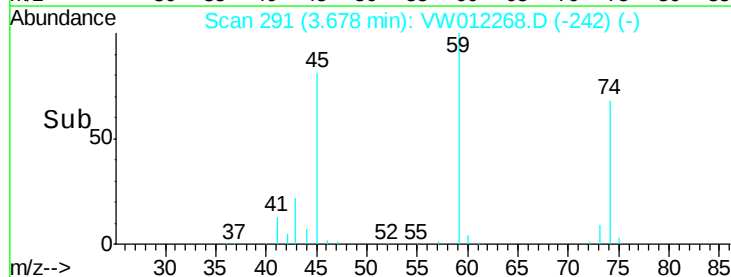
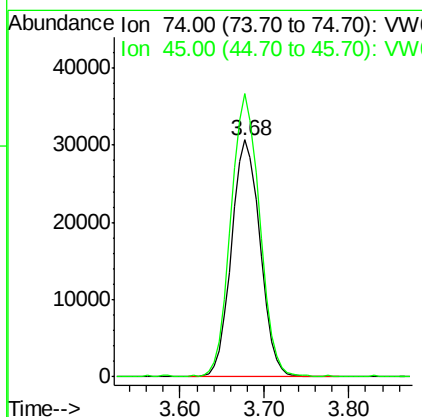
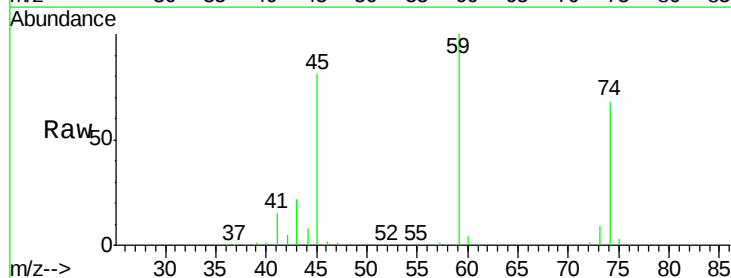
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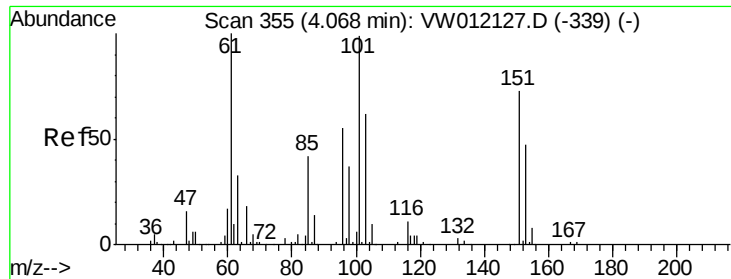


#8

Diethyl Ether
 Concen: 52.266 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.4	59.2	177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.725 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

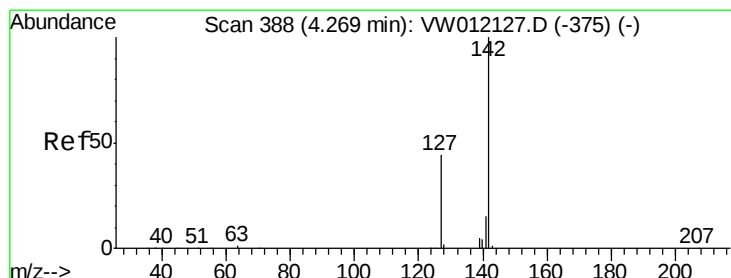
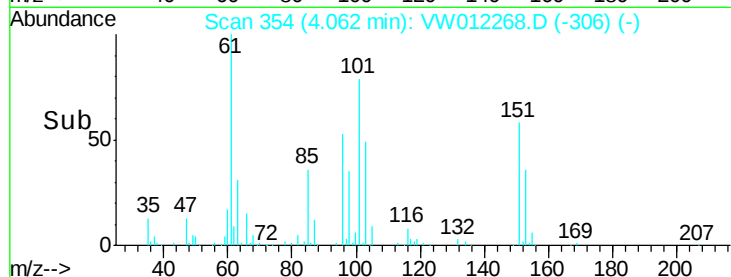
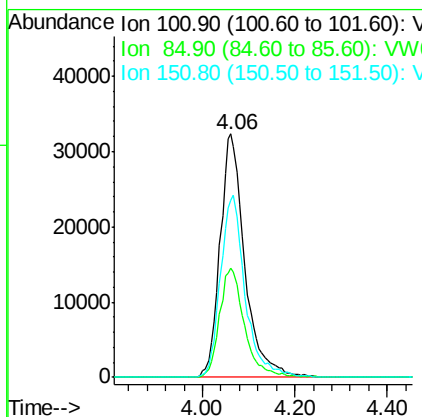
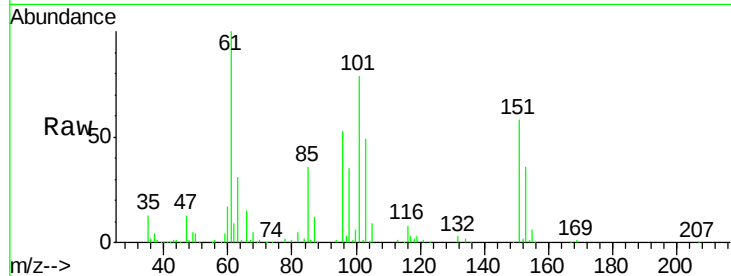
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	120324
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.8	53.6
151	74.7	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 52.567 ug/l

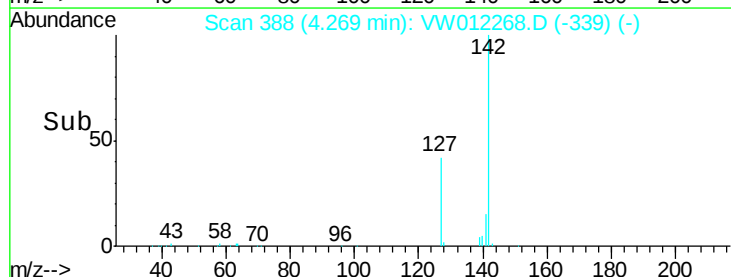
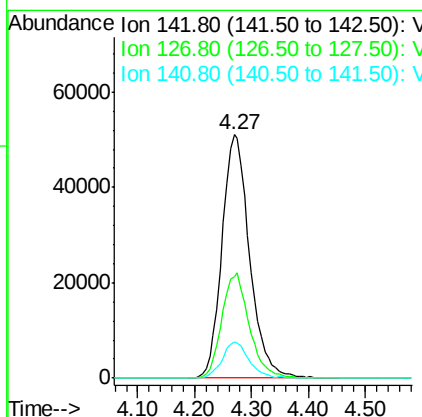
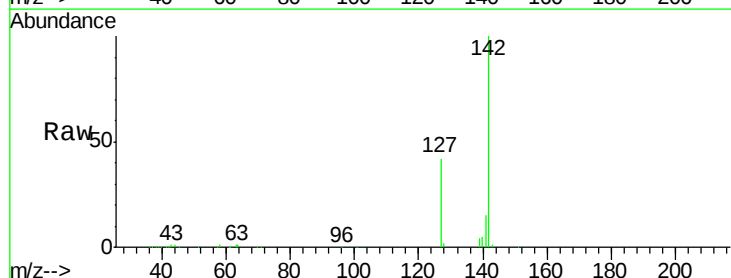
RT: 4.27 min Scan# 388

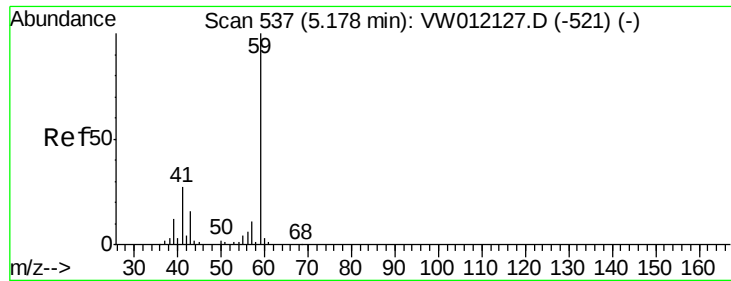
Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion:	142	Resp:	172108
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.5	53.3
141	14.4	11.8	17.8





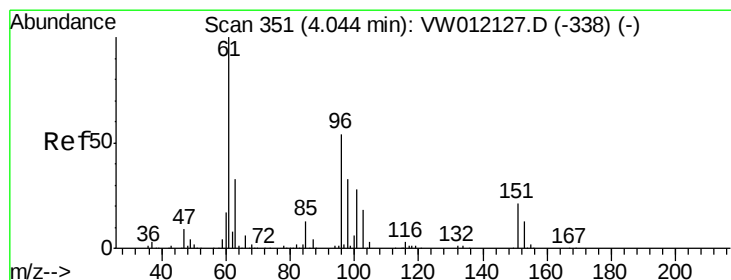
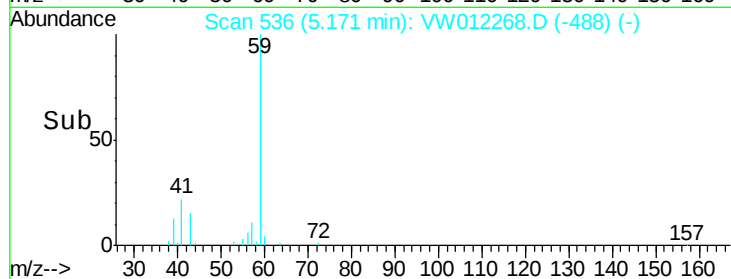
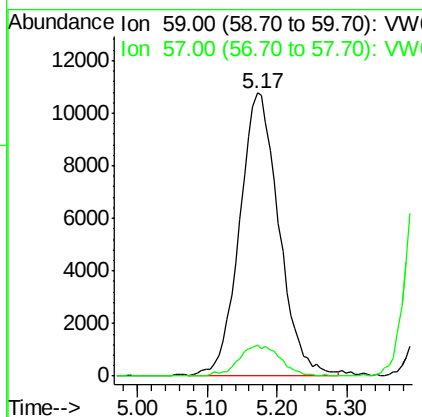
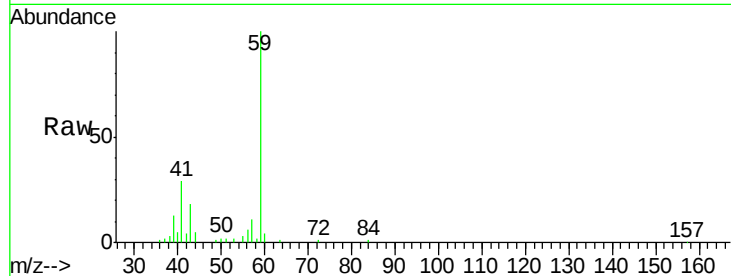
#11
Tert butyl alcohol
Concen: 243.560 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	42308
Ion Ratio	100	Lower	Upper
57	11.4	9.0	13.4

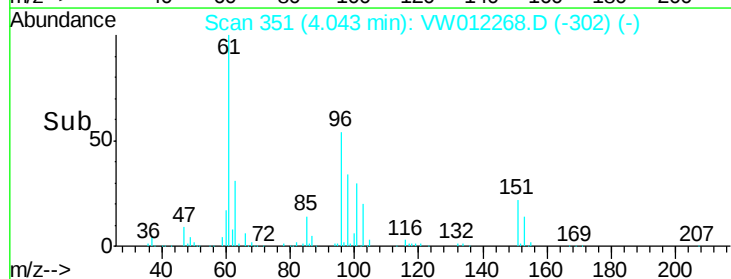
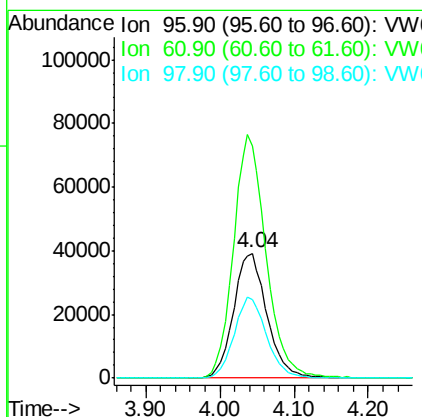
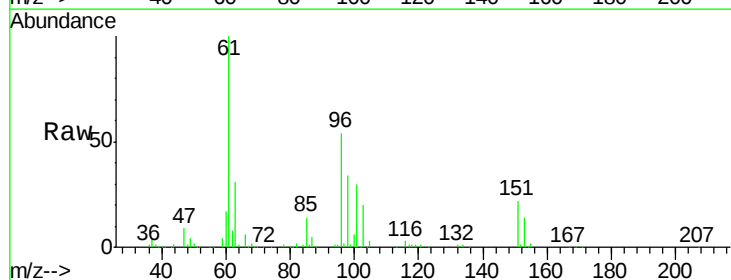
Manual Integrations
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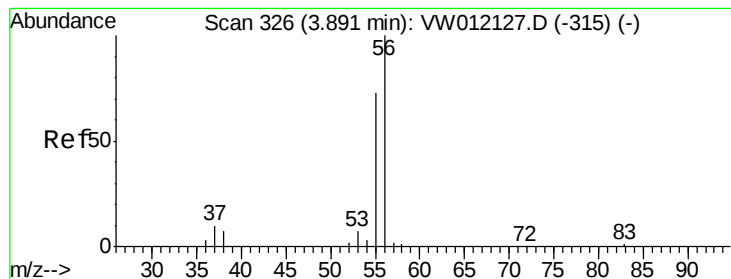
MMDadoda
8/29/2019 9:41:39 AM



#12
1,1-Dichloroethene
Concen: 50.479 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	96	Resp	122944
Ion Ratio	100	Lower	Upper
61	186.2	149.1	223.7
98	63.0	49.4	74.2





#13

Acrolein

Concen: 216.924 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 35470

Ion Ratio Lower Upper

56 100

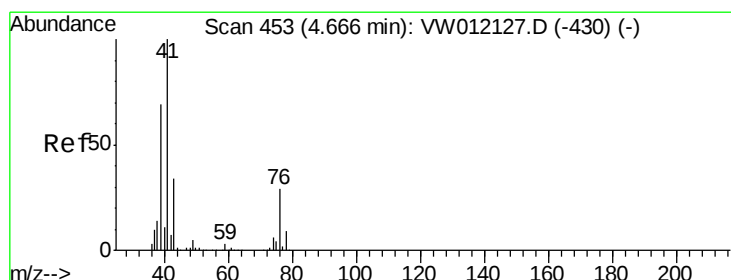
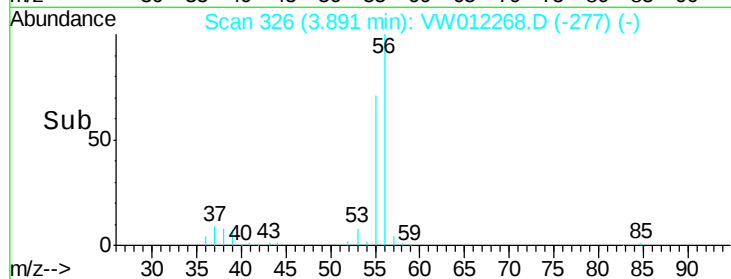
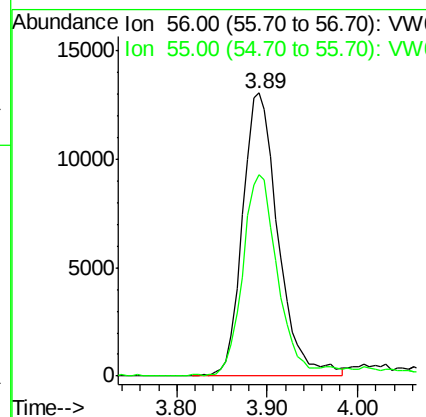
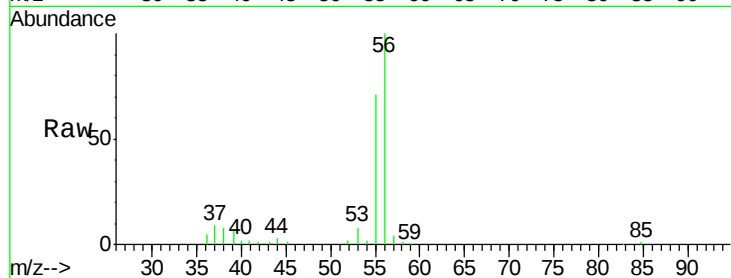
55 69.0 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 52.503 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

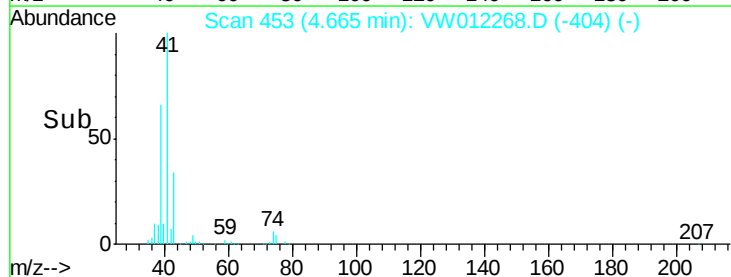
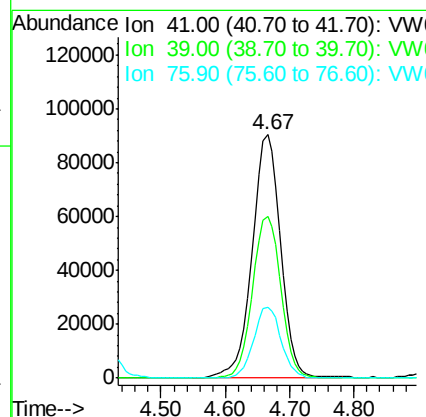
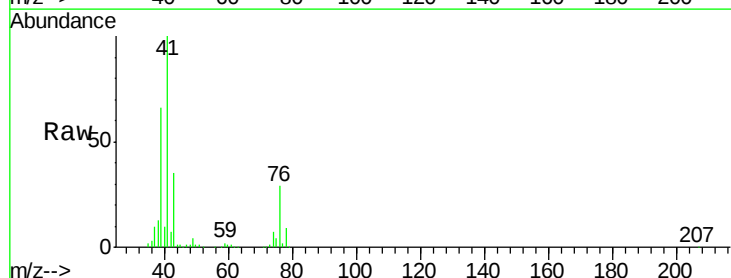
Tgt Ion: 41 Resp: 273373

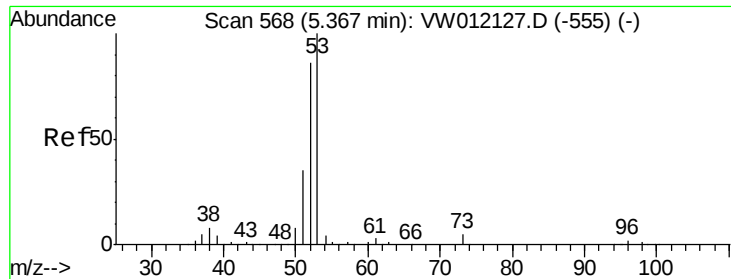
Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 258.475 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

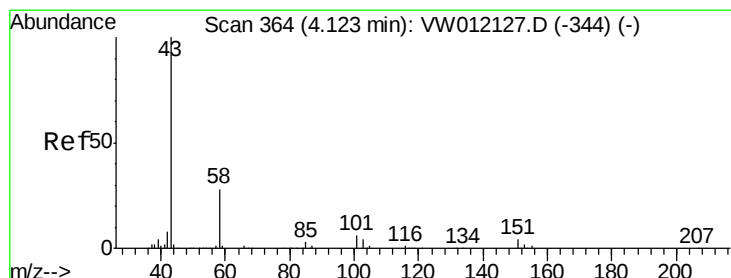
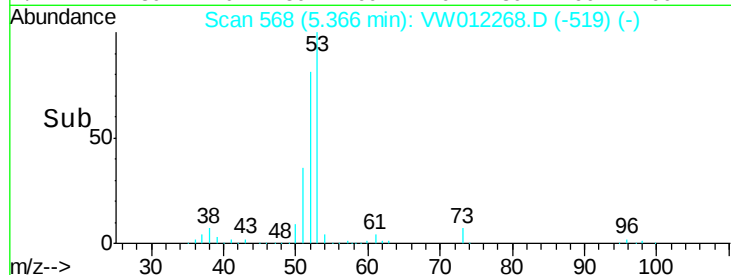
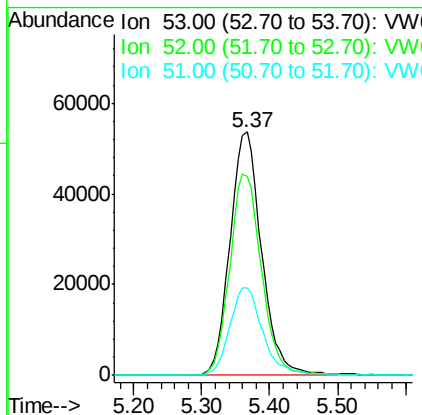
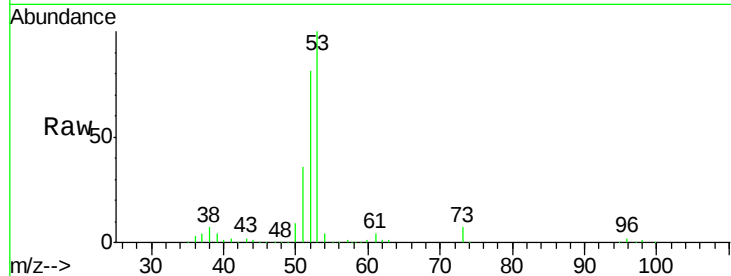
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	173118
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.7	100.1
51	37.5	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 206.578 ug/l

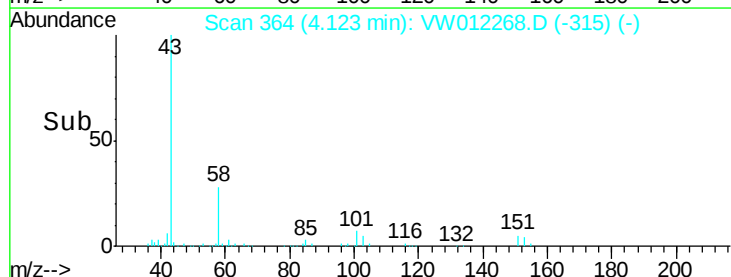
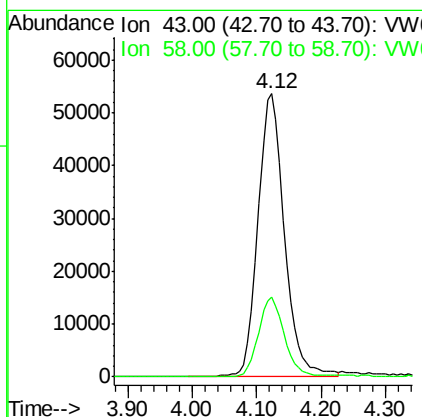
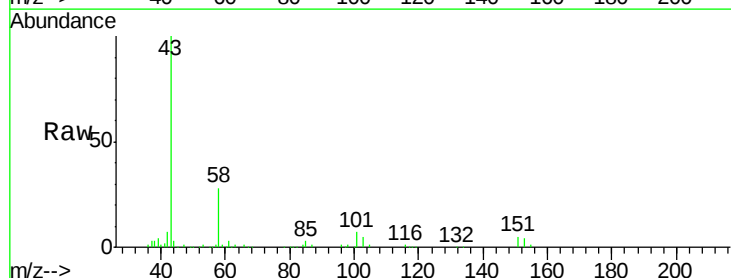
RT: 4.12 min Scan# 364

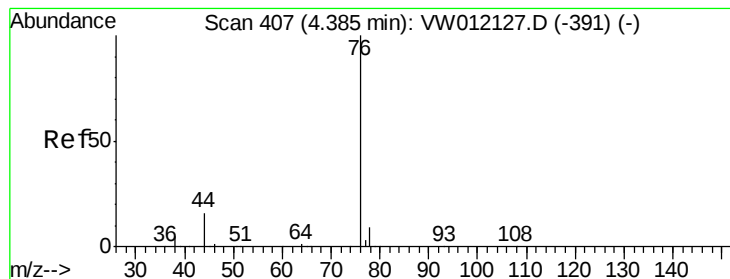
Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion:	43	Resp:	152422
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.4	33.6





#17

Carbon Disulfide

Concen: 50.647 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 372797

Ion Ratio Lower Upper

76 100

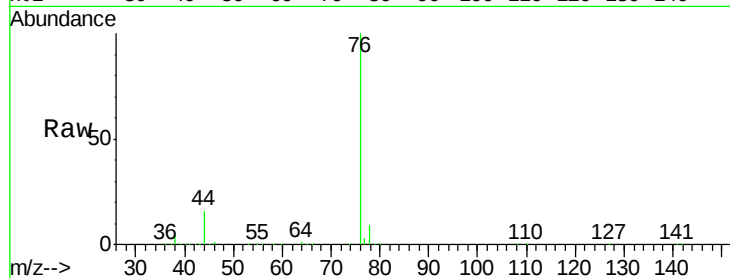
78 8.5 7.3 10.9

Manual Integrations

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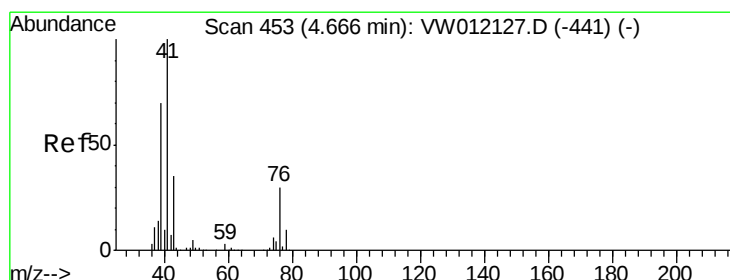
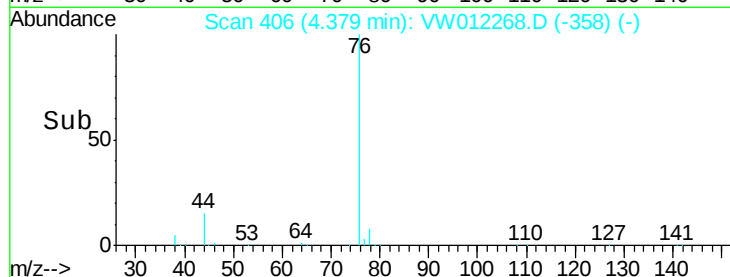
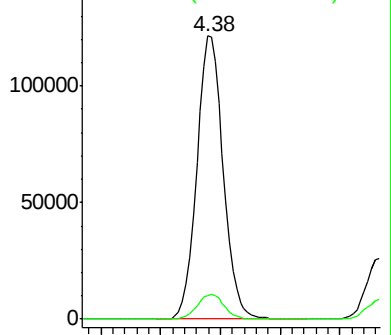
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 51.419 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012268.D

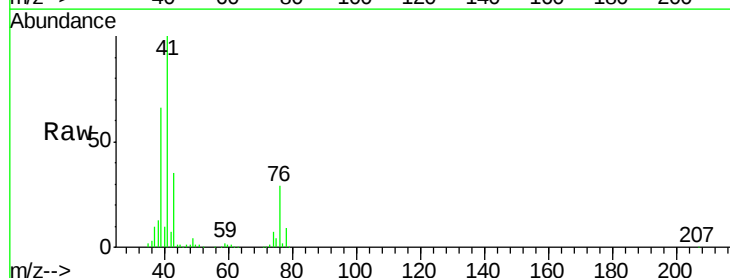
Acq: 28 Aug 2019 22:34

Tgt Ion: 43 Resp: 93968

Ion Ratio Lower Upper

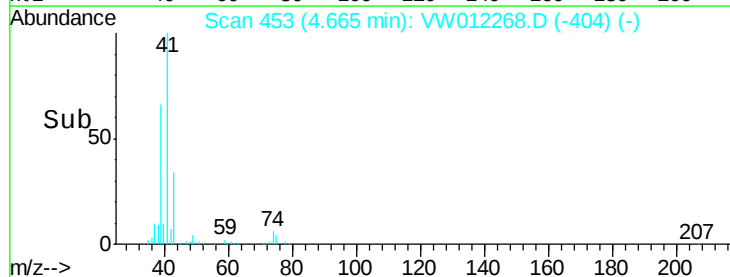
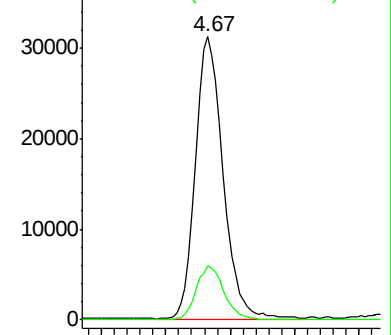
43 100

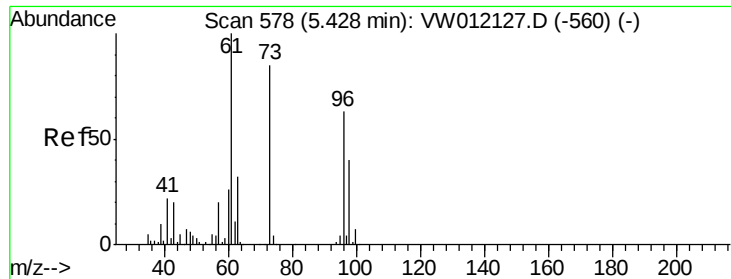
74 19.4 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





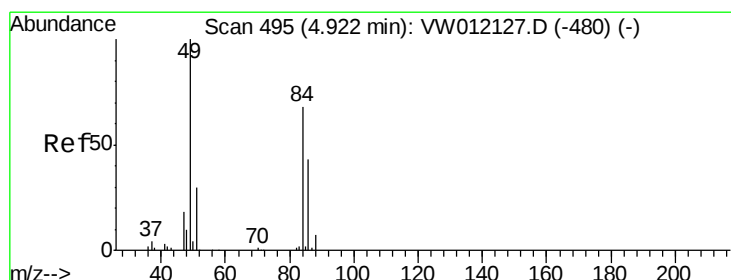
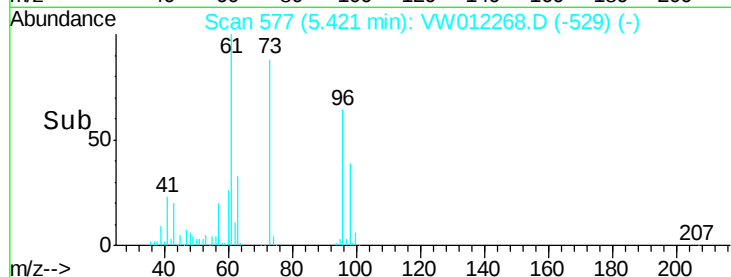
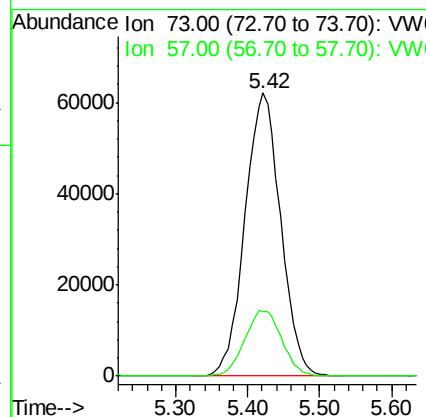
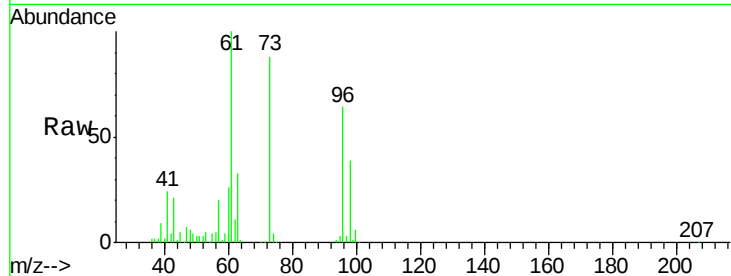
#19
Methvl tert-butvl Ether
Concen: 54.142 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 213248
Ion Ratio Lower Upper
73 100
57 23.0 18.9 28.3

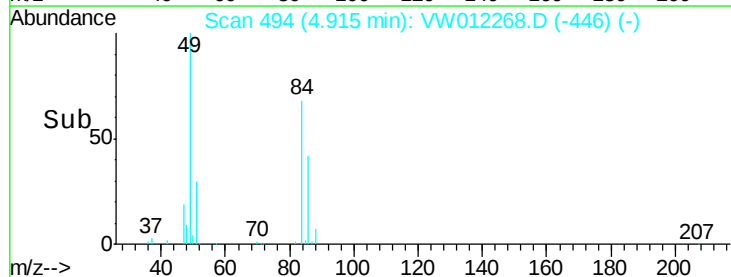
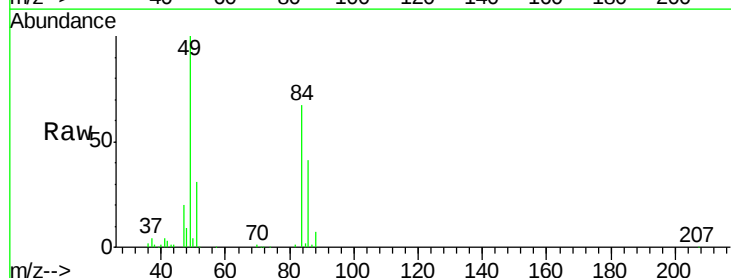
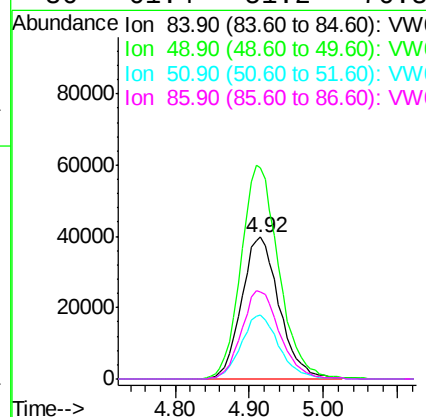
Manual Integrations
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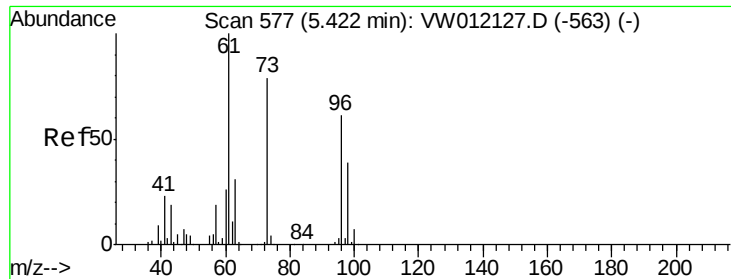
MMDadoda
8/29/2019 9:41:39 AM



#20
Methylene Chloride
Concen: 50.681 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 84 Resp: 141366
Ion Ratio Lower Upper
84 100
49 148.9 117.8 176.8
51 45.4 35.6 53.4
86 61.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 51.138 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

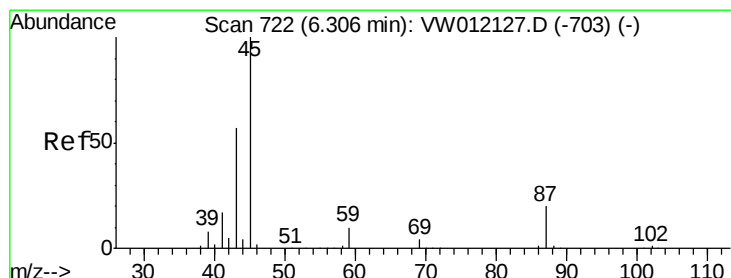
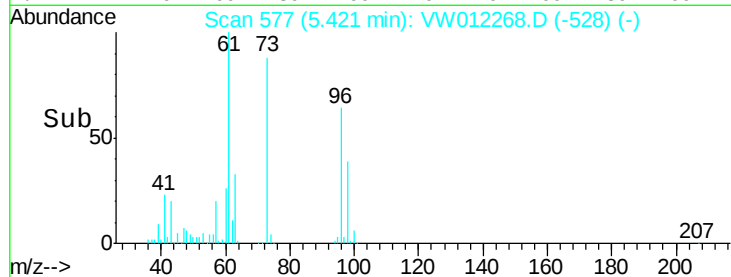
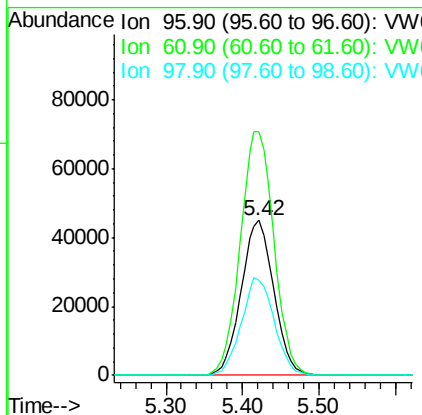
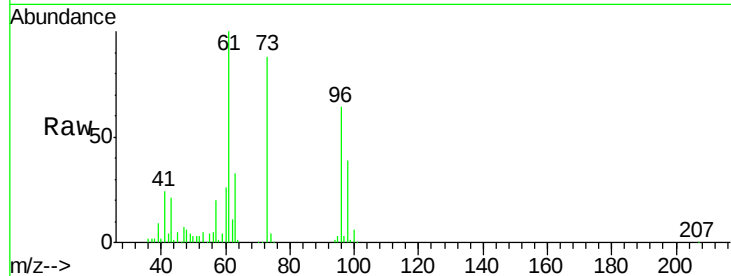
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	133560
Ion	Ratio	Lower	Upper
96	100		
61	157.4	131.4	197.0
98	61.7	51.4	77.0

Manual Integrations
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MMDadoda
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#22

Diisopropyl ether

Concen: 53.323 ug/l

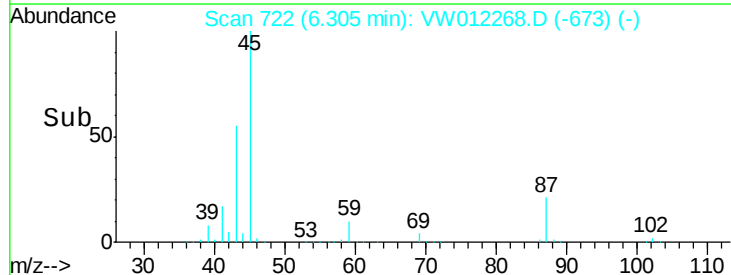
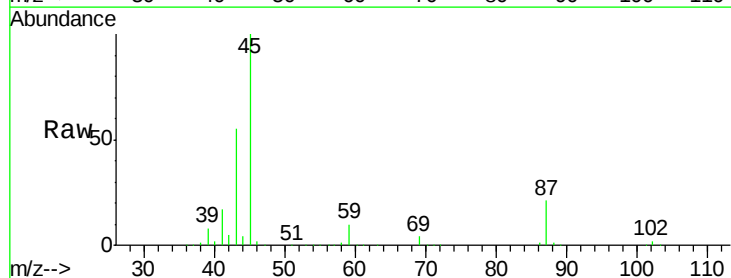
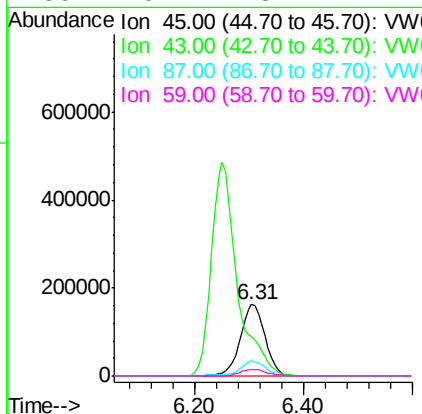
RT: 6.31 min Scan# 722

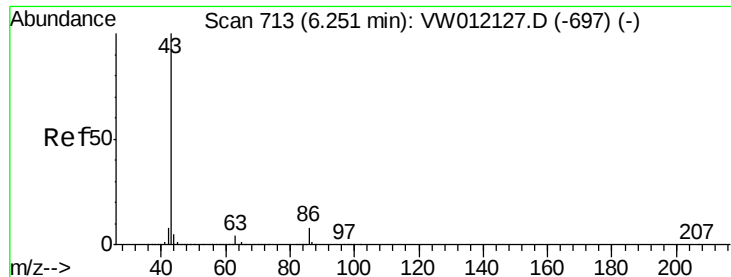
Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion:	45	Resp:	514643
Ion	Ratio	Lower	Upper
45	100		
43	55.0	45.5	68.3
87	20.7	16.1	24.1
59	9.7	8.2	12.2





#23

Vinyl Acetate

Concen: 268.729 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1596147

Ion Ratio Lower Upper

43 100

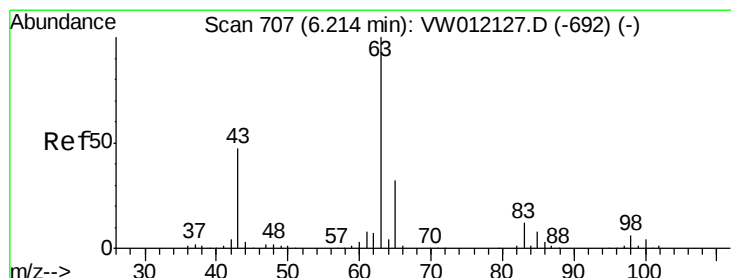
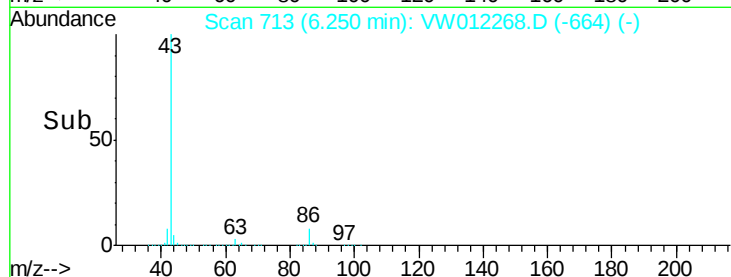
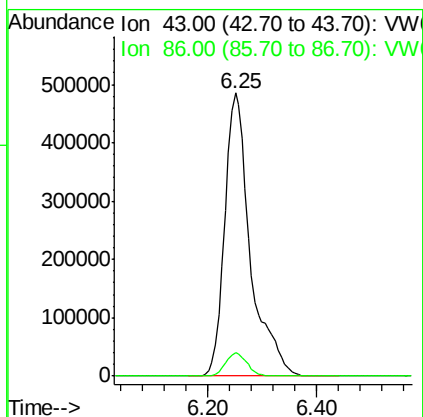
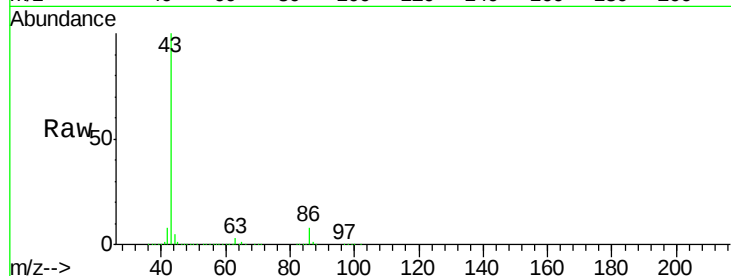
86 8.2 6.5 9.7

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 51.652 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

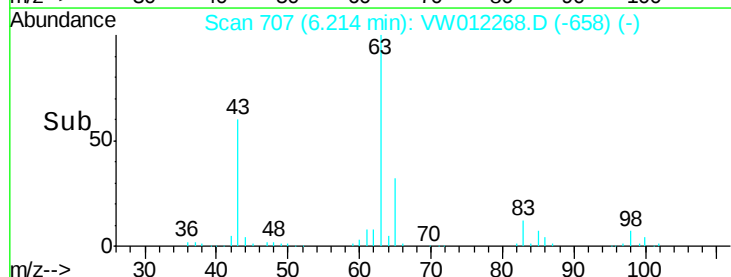
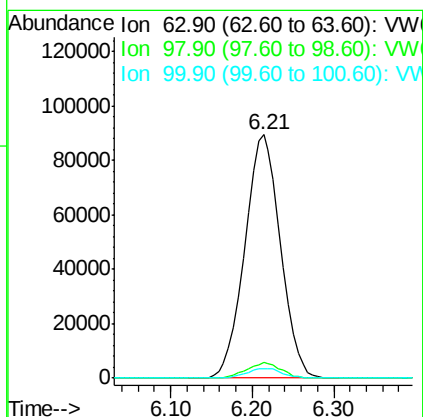
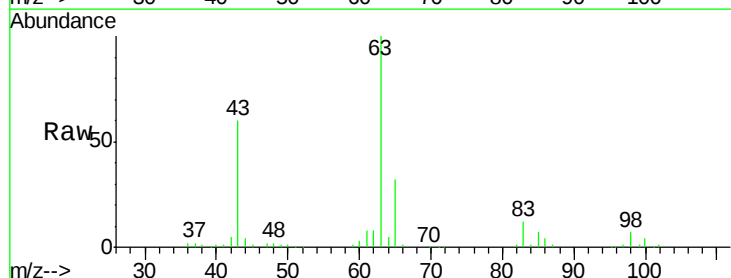
Tgt Ion: 63 Resp: 271432

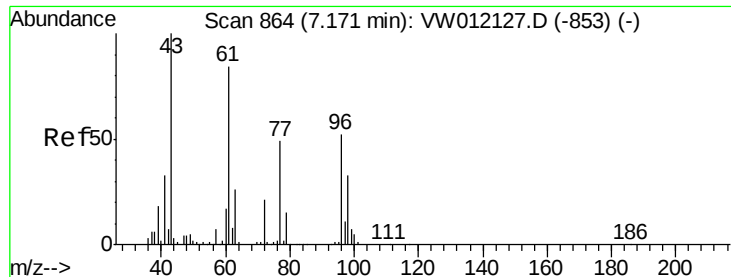
Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 240.486 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 241122

Ion Ratio Lower Upper

43 100

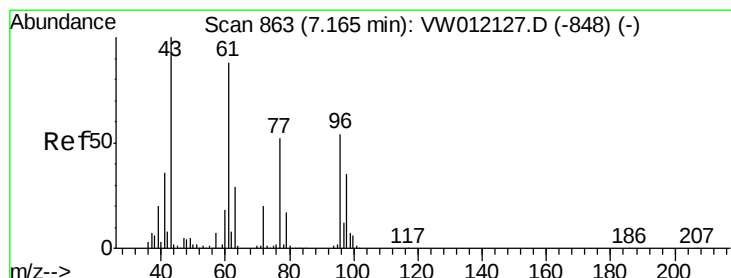
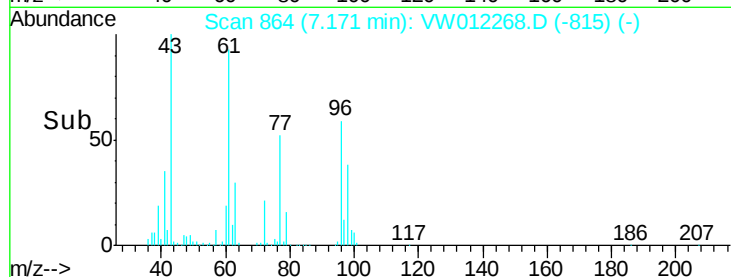
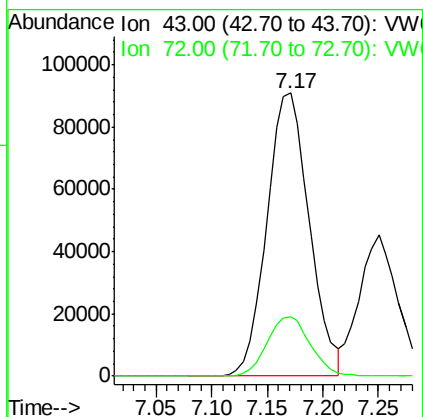
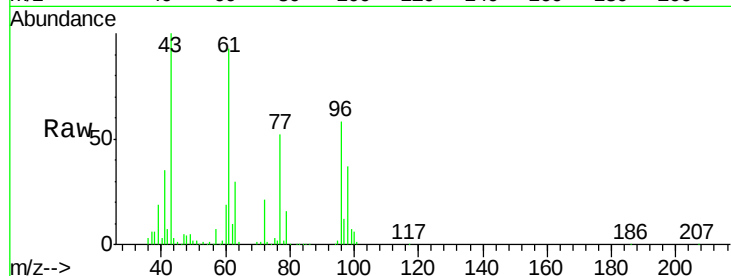
72 20.9 16.6 24.8

Manual Integrations

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8/29/2019 9:41:39 AM



#26

2,2-Dichloropropane

Concen: 49.271 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012268.D

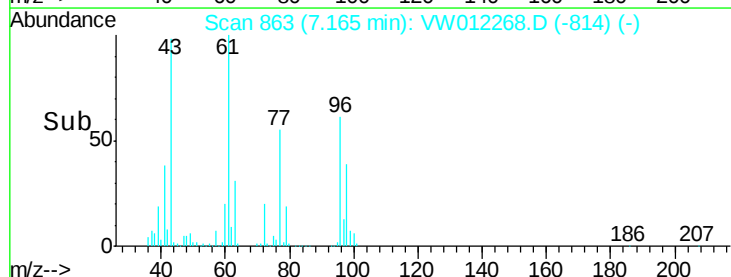
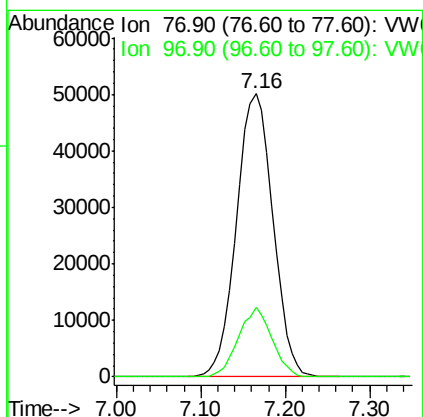
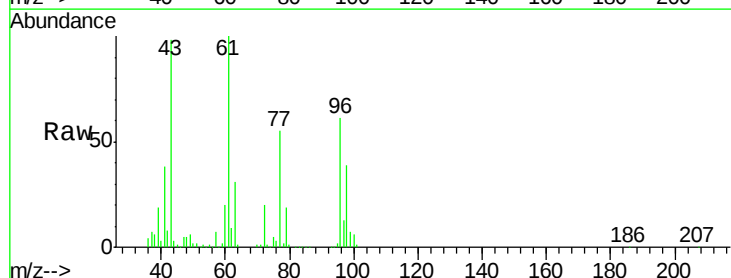
Acq: 28 Aug 2019 22:34

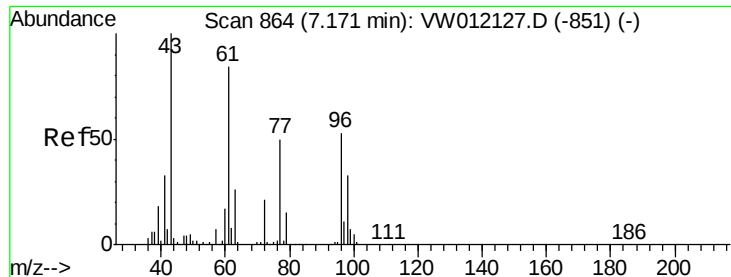
Tgt Ion: 77 Resp: 146550

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.1





#27

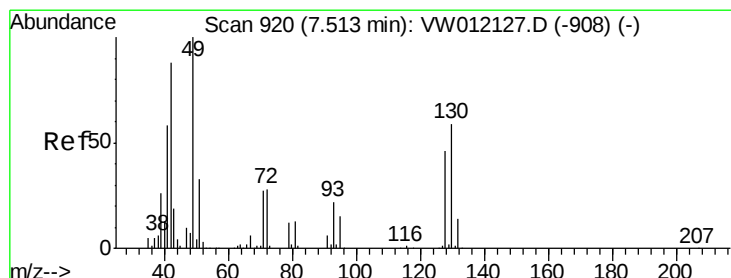
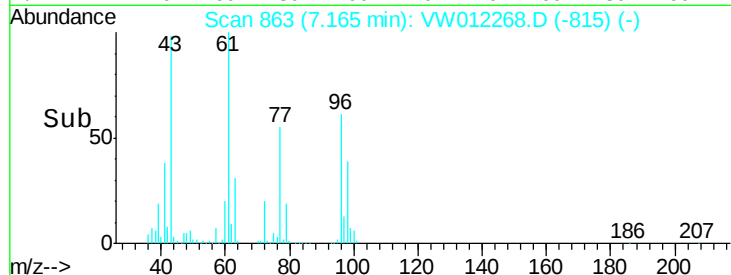
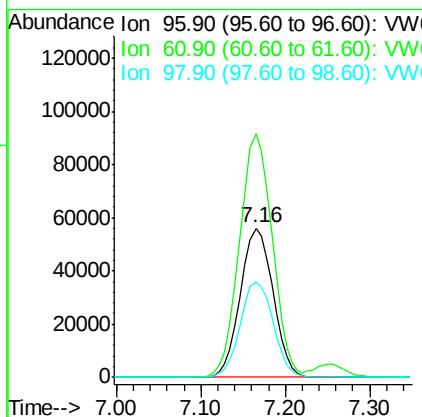
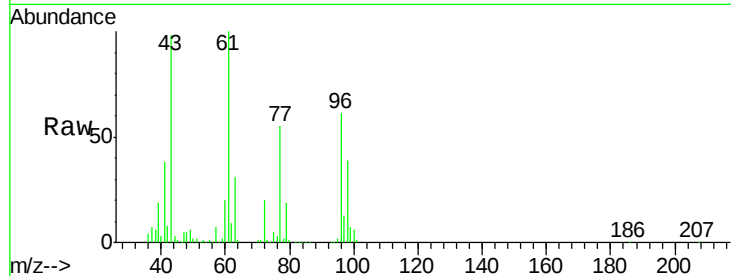
cis-1,2-Dichloroethene
Concen: 52.729 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	147137		
61	164.3	0.0	326.6	
98	64.4	0.0	127.4	

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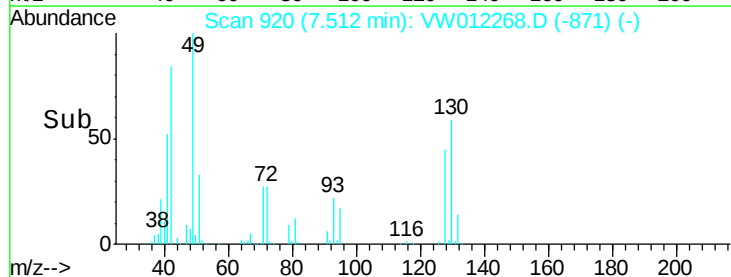
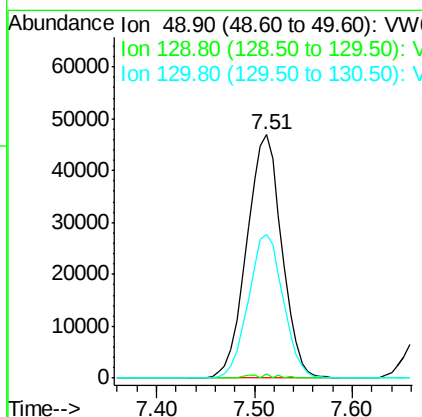
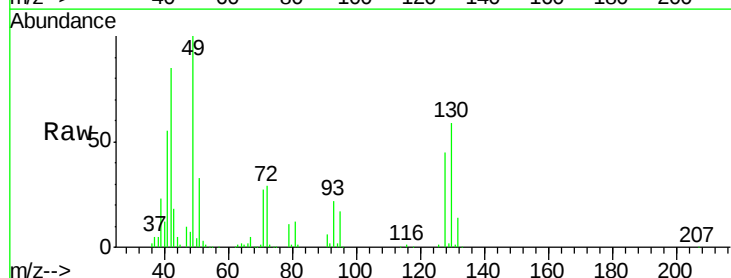
MMDadoda
8/29/2019 9:41:39 AM

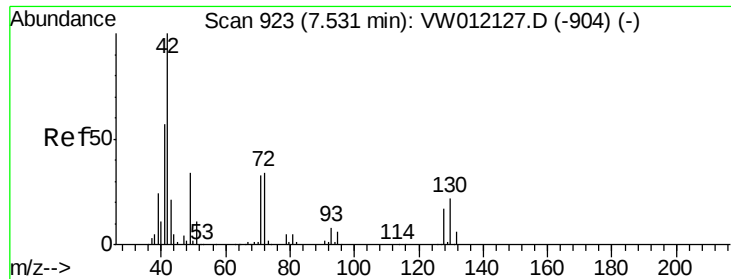


#28

Bromochloromethane
Concen: 50.940 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116673		
129	0.6	0.0	1.4	
130	58.7	45.5	68.3	





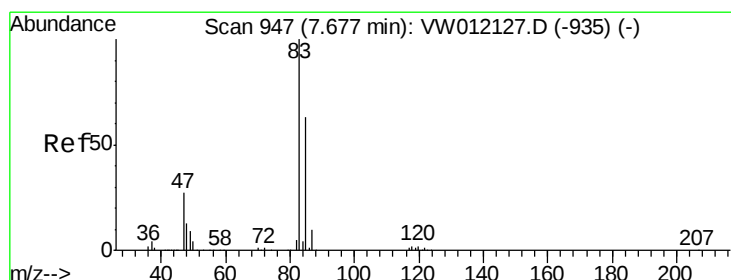
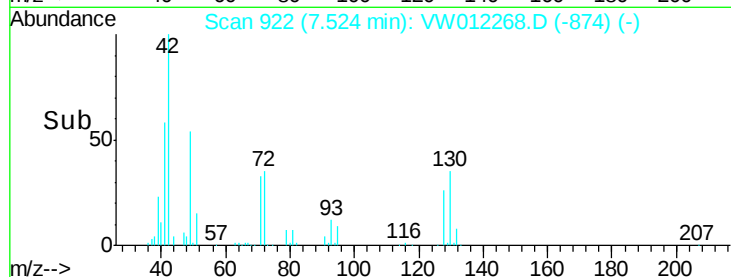
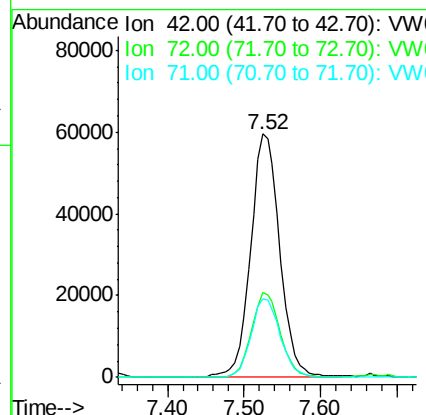
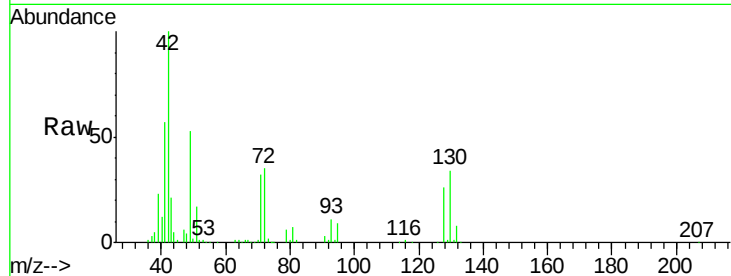
#29
Tetrahydrofuran
Concen: 261.716 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	157434
Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.3	40.9
71	32.3	25.5	38.3

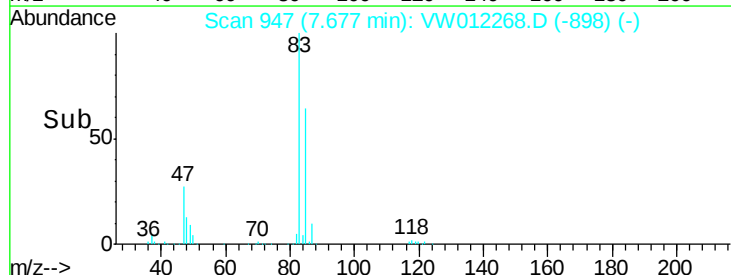
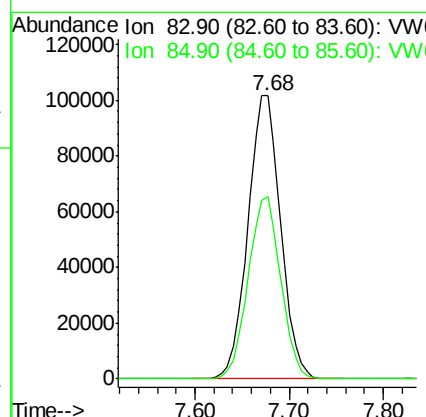
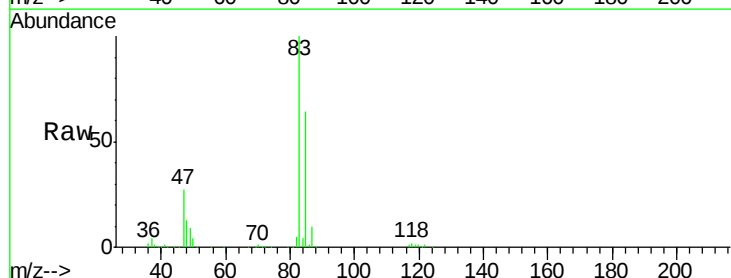
Manual Integrations
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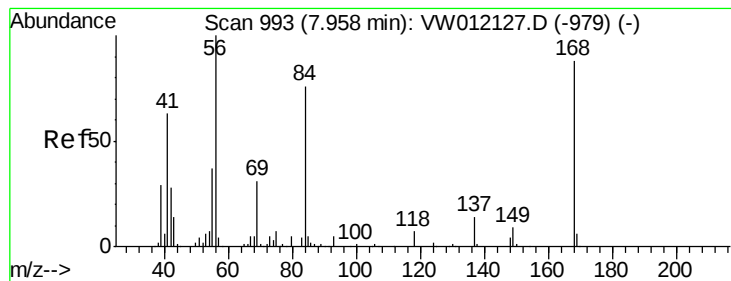
MMDadoda
8/29/2019 9:41:39 AM



#30
Chloroform
Concen: 51.414 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion:	83	Resp:	247186
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.6	76.0





#31

Cyclohexane

Concen: 46.570 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

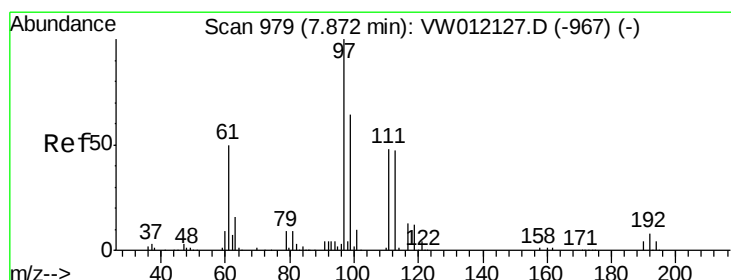
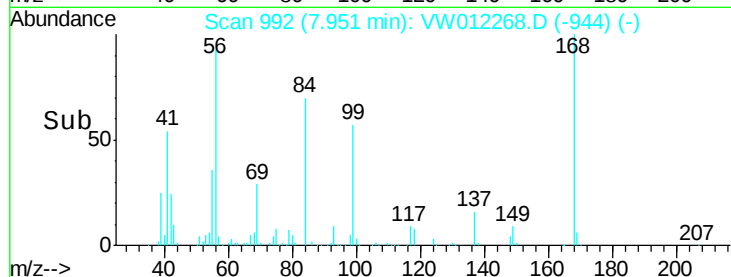
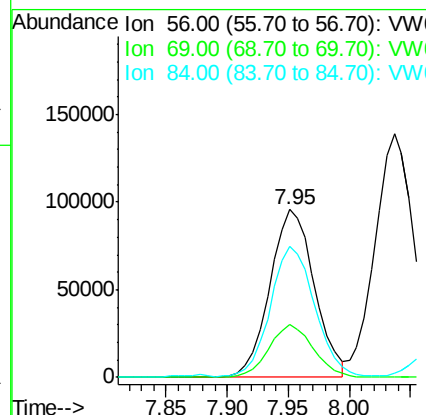
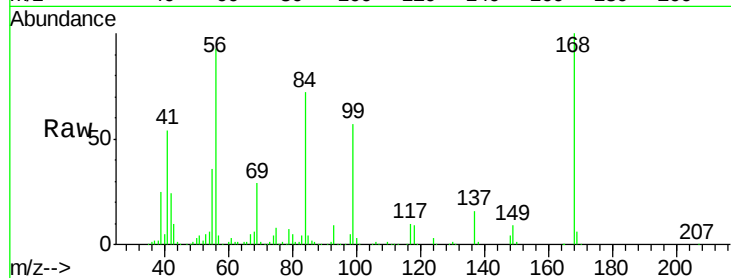
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	242123
Ion Ratio	Lower	Upper	
56	100		
69	31.5	24.9	37.3
84	76.9	60.6	90.8

Manual Integrations
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MMDadoda
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#32

1,1,1-Trichloroethane

Concen: 51.340 ug/l

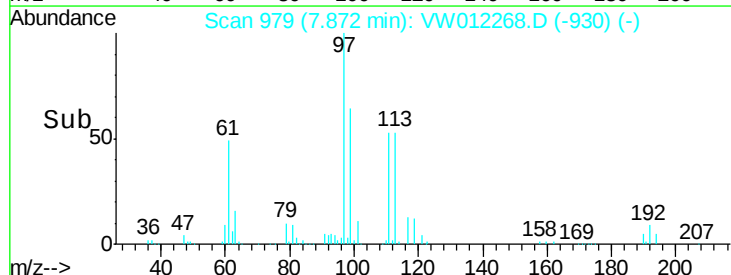
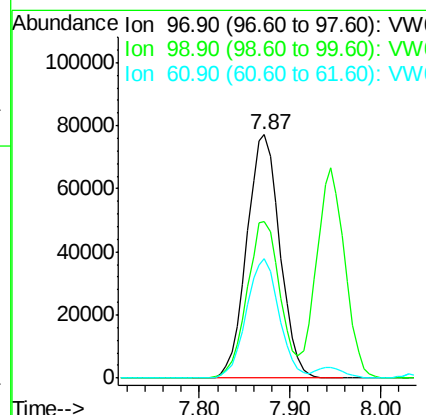
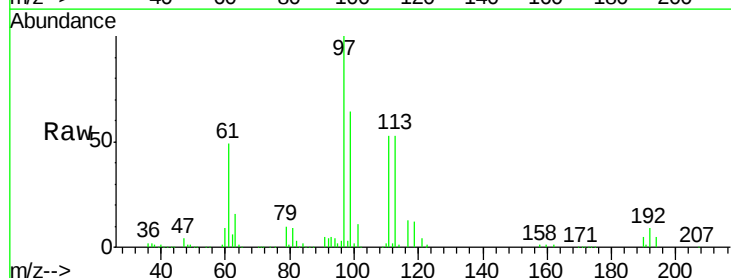
RT: 7.87 min Scan# 979

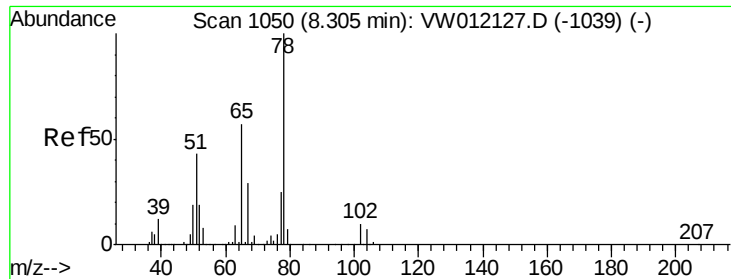
Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion:	97	Resp:	195264
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.4	77.0
61	48.8	39.5	59.3





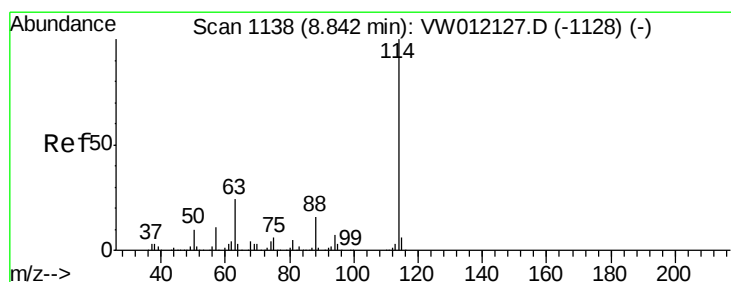
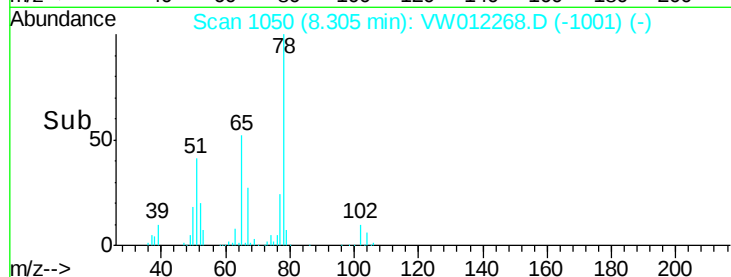
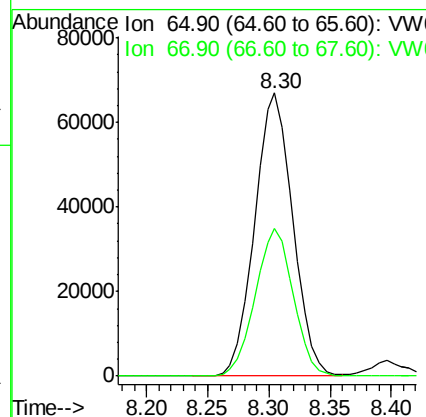
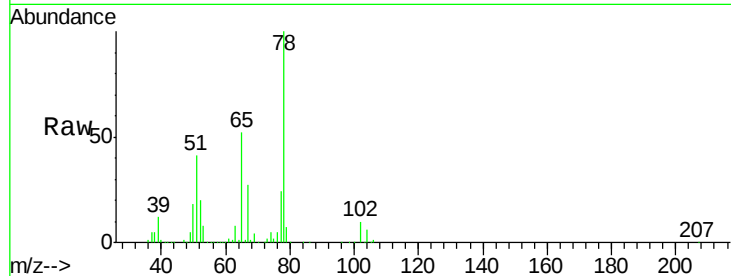
#33
 1,2-Dichloroethane-d4
 Concen: 50.380 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145422		
67	52.0	0.0	102.6	

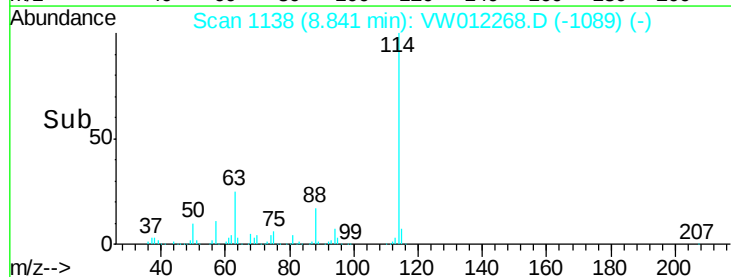
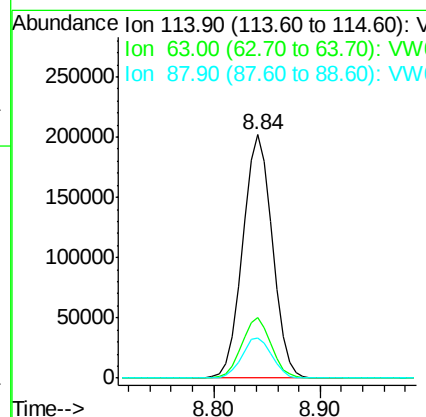
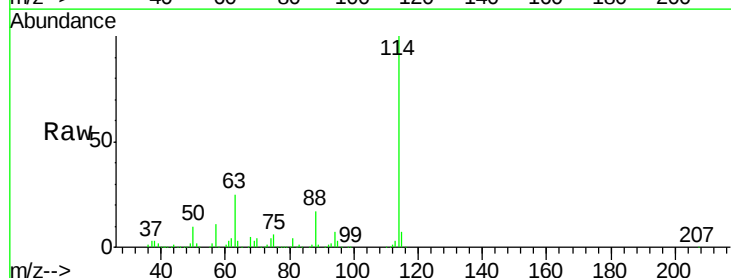
Manual Integrations
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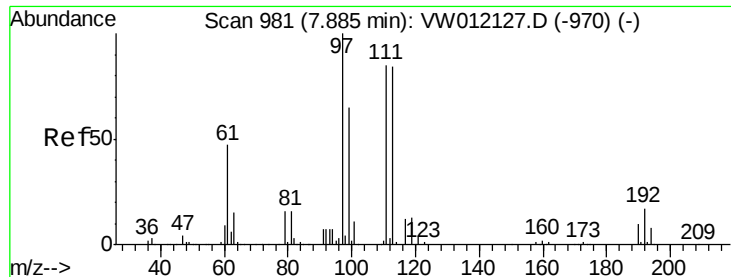
MMDadoda
 8/29/2019 9:41:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	395160		
63	25.0	0.0	48.6	
88	16.7	0.0	32.2	





#35

Dibromofluoromethane

Concen: 50.337 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 118732

Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

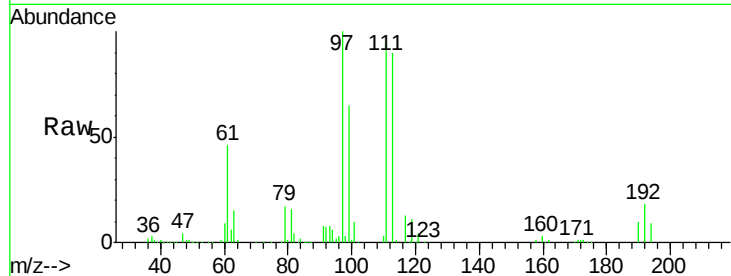
192 20.7 16.2 24.2

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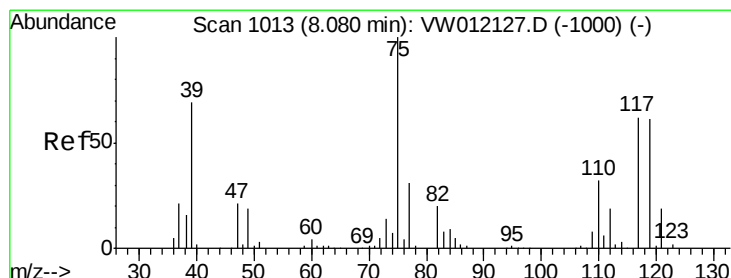
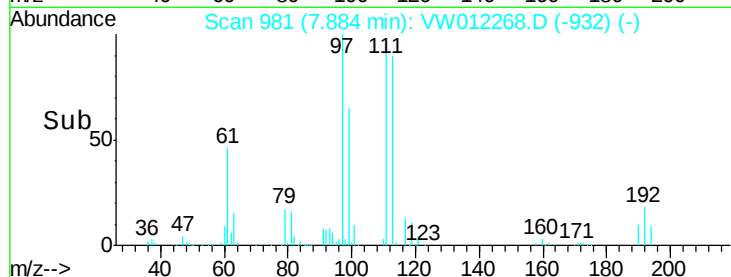
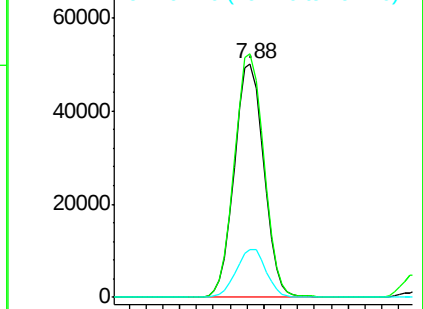
8/29/2019 9:41:39 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.635 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

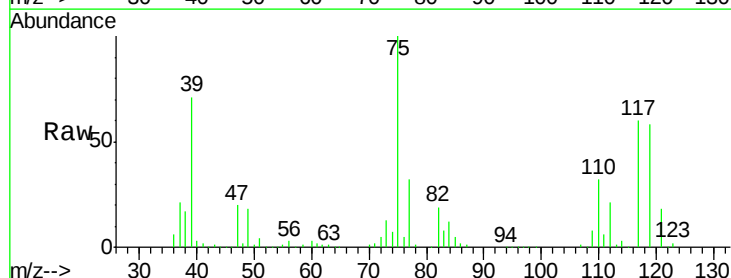
Tgt Ion: 75 Resp: 202686

Ion Ratio Lower Upper

75 100

110 31.5 15.6 46.8

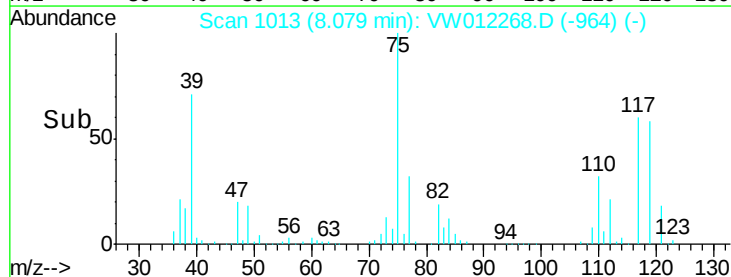
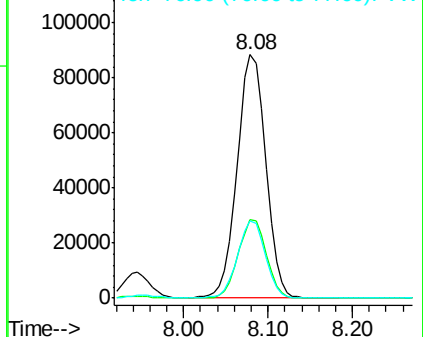
77 31.1 24.6 36.8

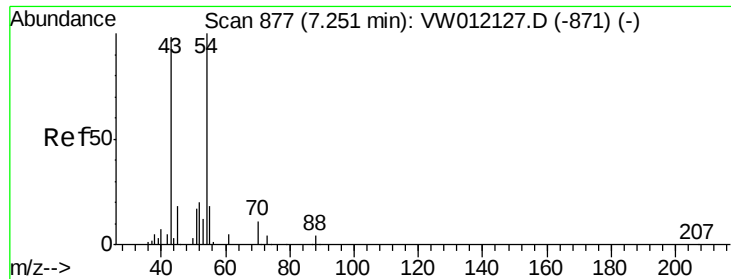


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





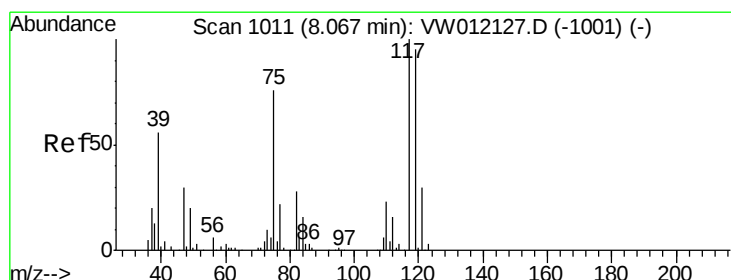
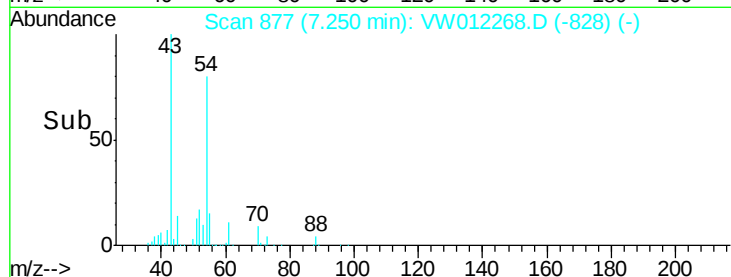
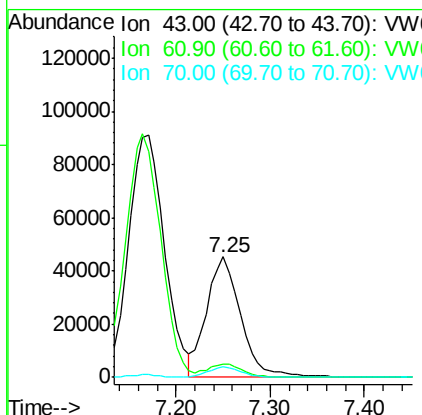
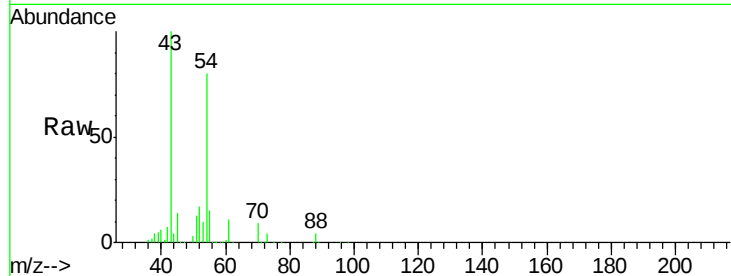
#37
Ethyl Acetate
Concen: 50.173 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.2	13.8
70	8.8	6.9	10.3

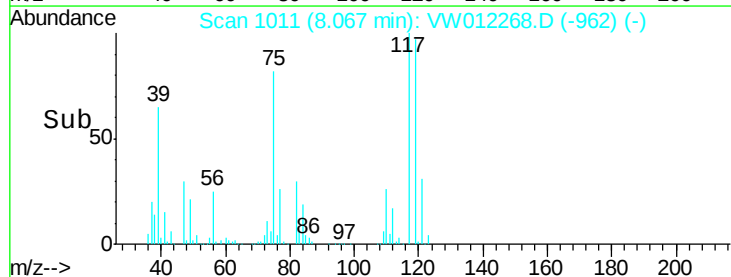
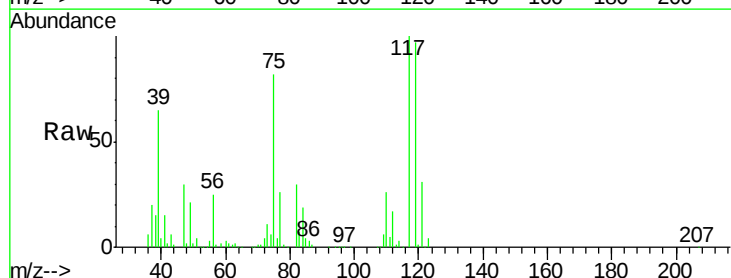
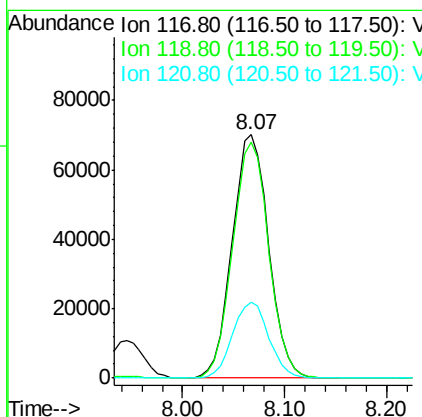
Manual Integrations
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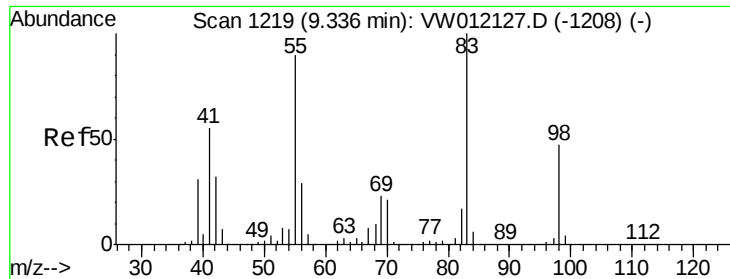
MMDadoda
8/29/2019 9:41:39 AM



#38
Carbon Tetrachloride
Concen: 49.154 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.2	114.2
121	30.9	23.8	35.8





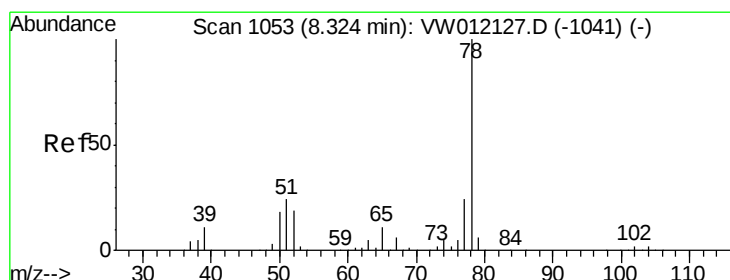
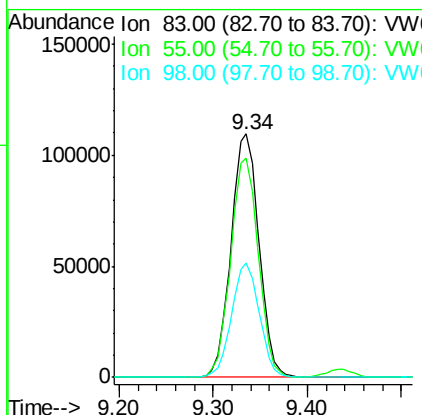
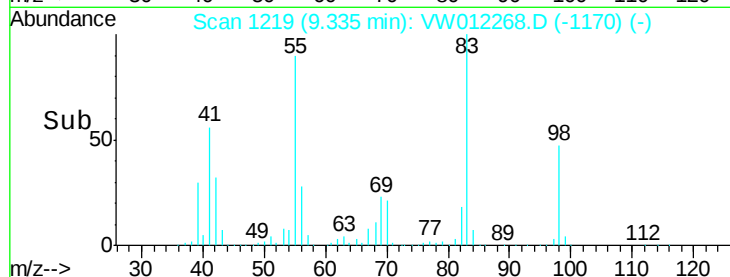
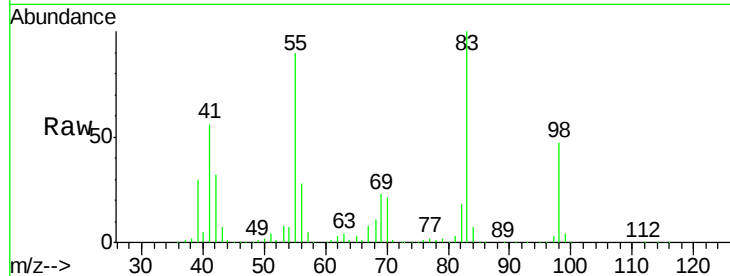
#39
Methvlcvclohexane
Concen: 49.533 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.1	71.8	107.8
98	47.0	37.8	56.8

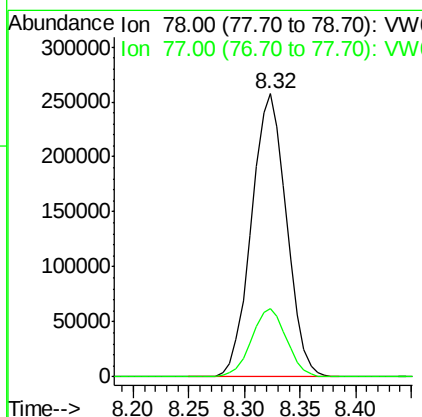
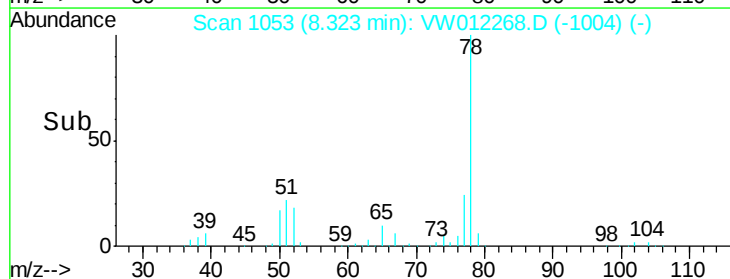
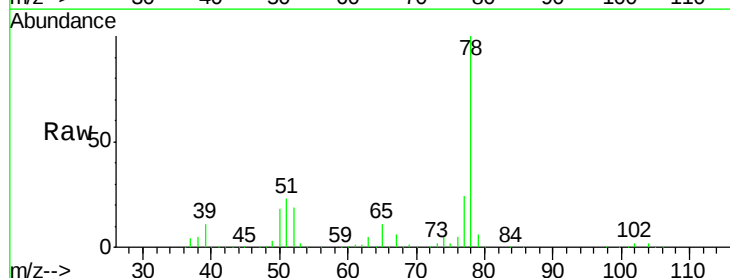
Manual Integrations
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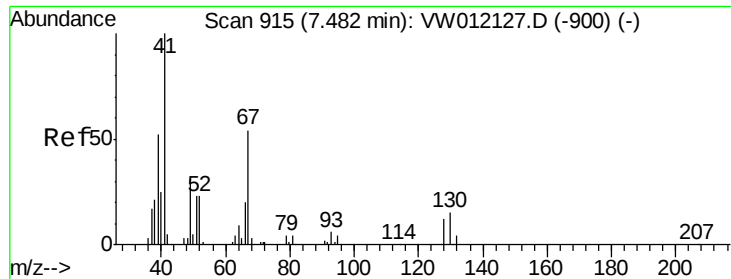
MMDadoda
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#40
Benzene
Concen: 50.616 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.5	29.3





#41

Methacrylonitrile

Concen: 52.452 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

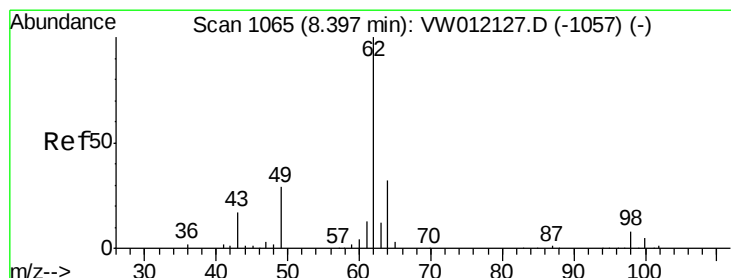
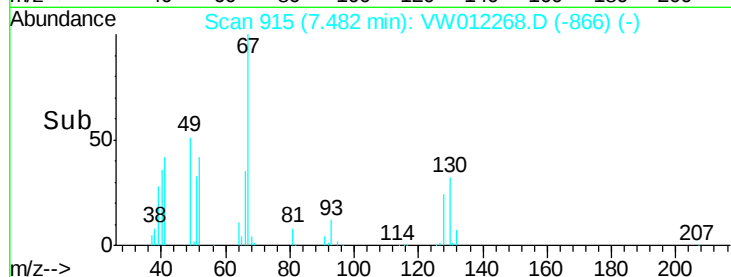
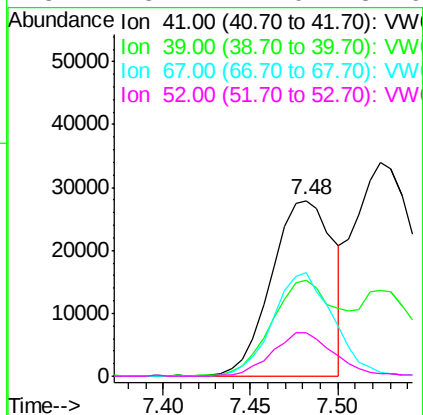
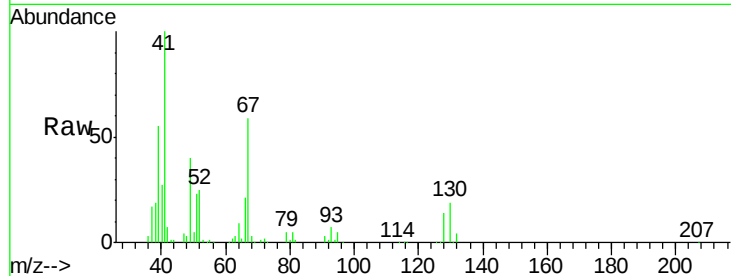
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	68984
Ion	Ratio	Lower	Upper
41	100		
39	59.2	45.8	68.8
67	58.3	46.2	69.4
52	25.4	21.0	31.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.001 ug/l

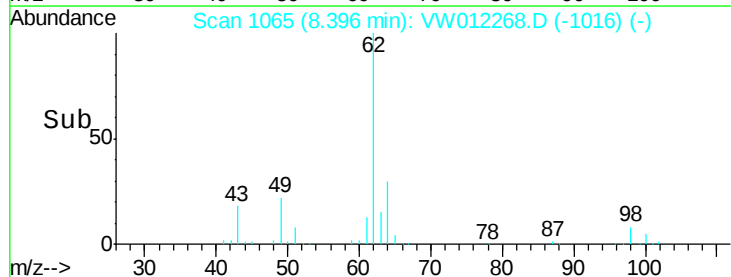
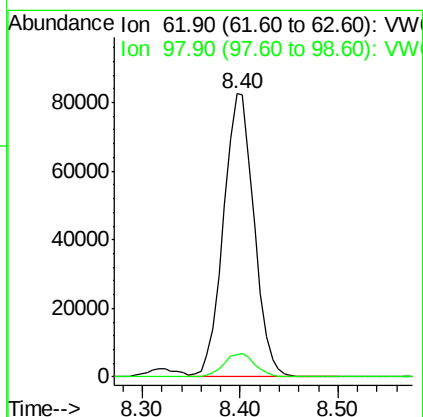
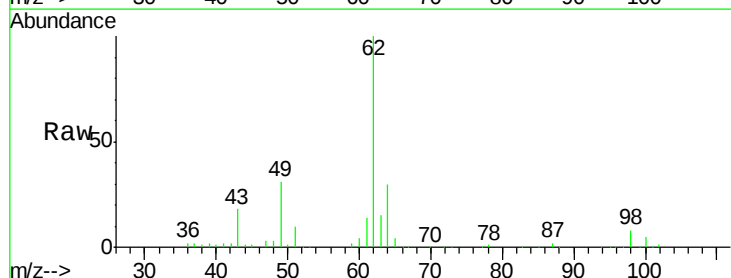
RT: 8.40 min Scan# 1065

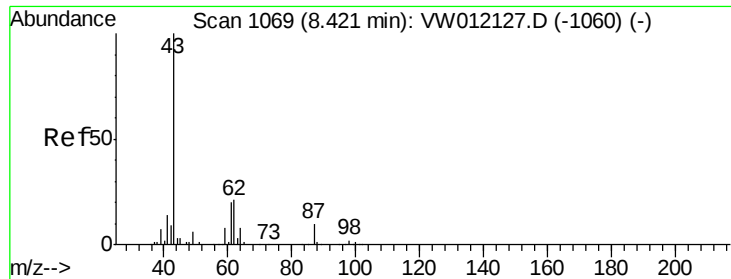
Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion	62	Resp	178230
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.6





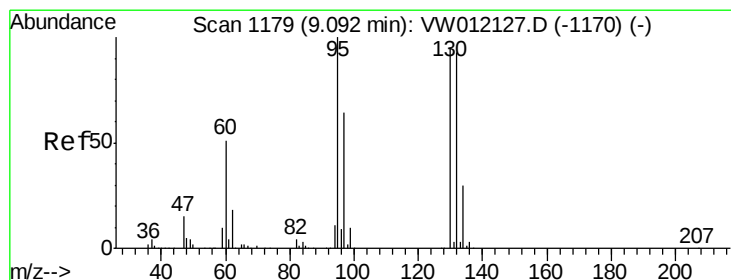
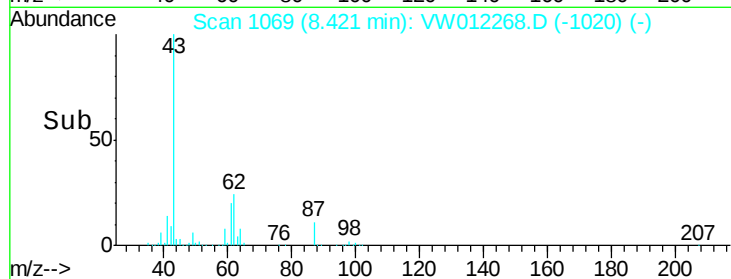
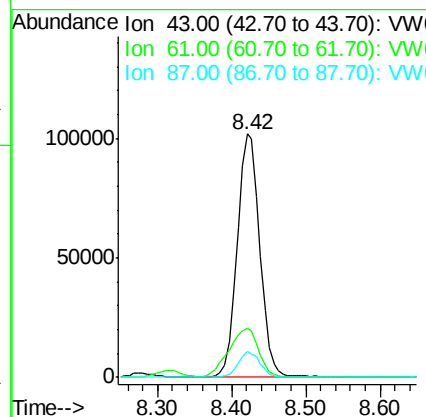
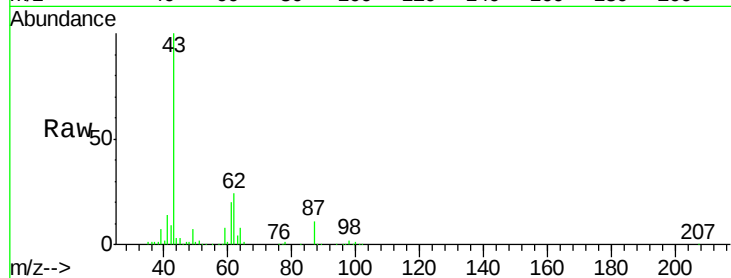
#43
Isopropyl Acetate
Concen: 51.938 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.1	31.7
87	10.3	8.2	12.2

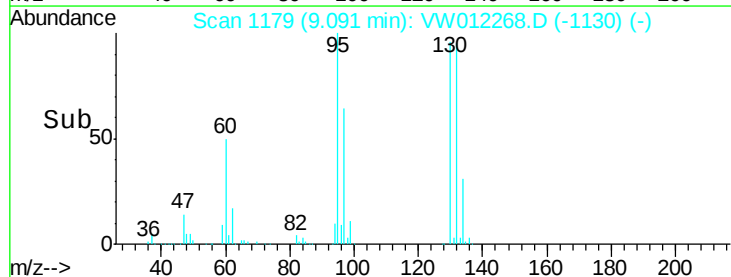
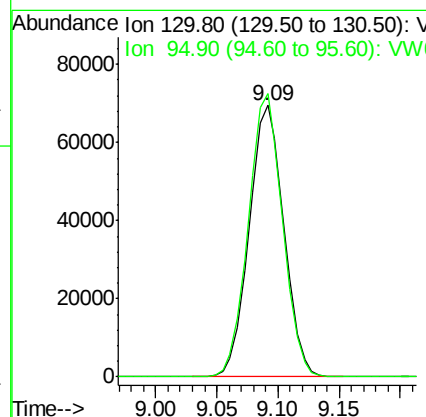
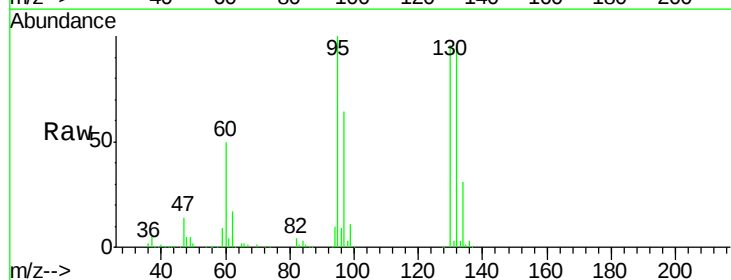
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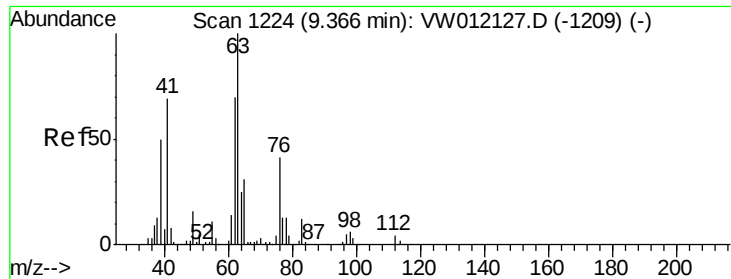
MMDadoda
8/29/2019 9:41:39 AM



#44
Trichloroethene
Concen: 50.563 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	210.6





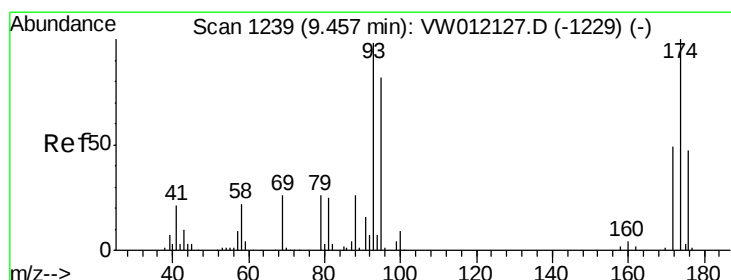
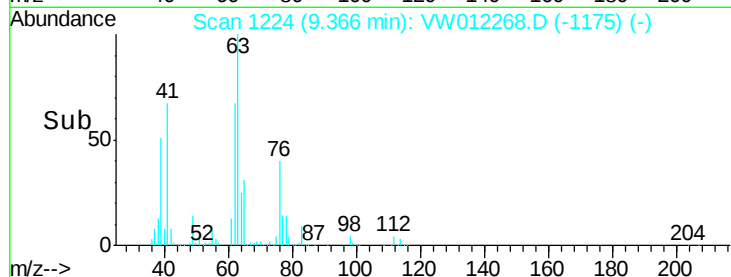
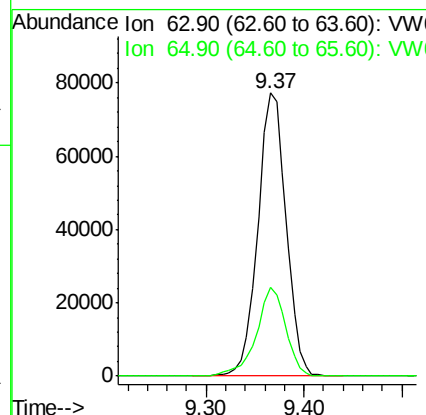
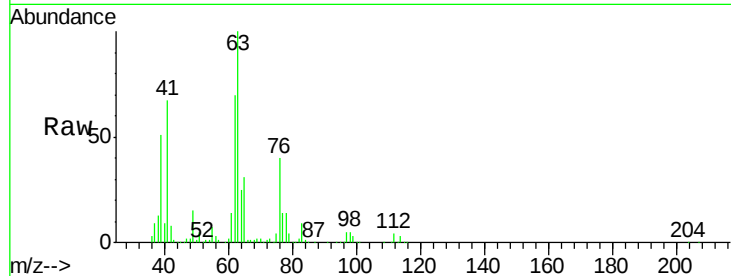
#45
 1,2-Dichloropropane
 Concen: 51.548 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 154691
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4

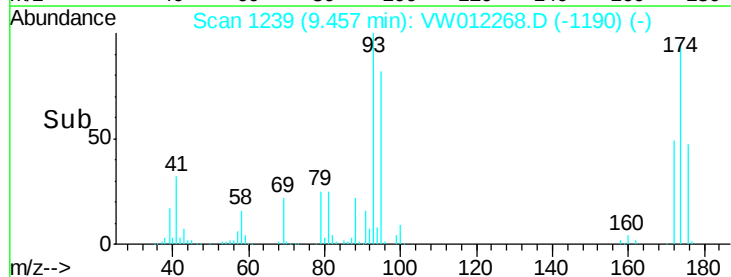
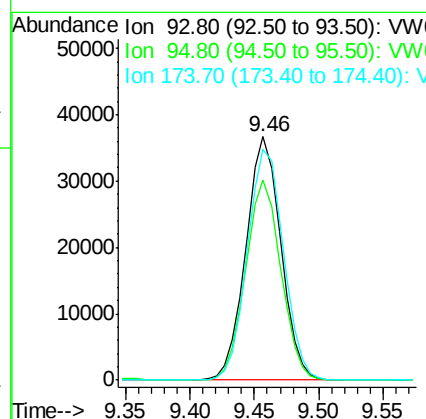
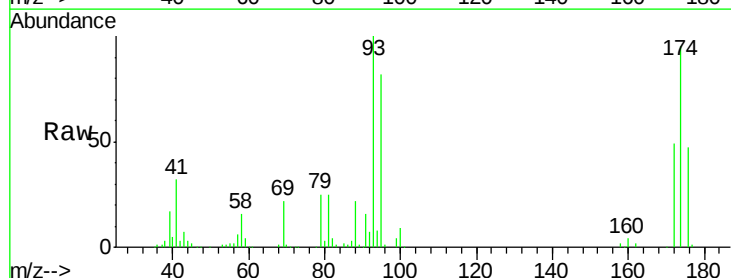
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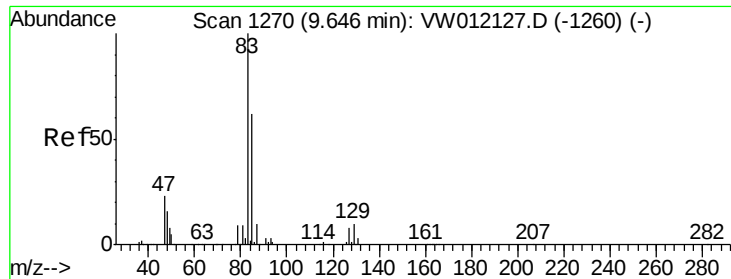
MMDadoda
 8/29/2019 9:41:39 AM



#46
 Dibromomethane
 Concen: 51.636 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 93 Resp: 68944
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.2 100.8
 174 98.2 79.0 118.6





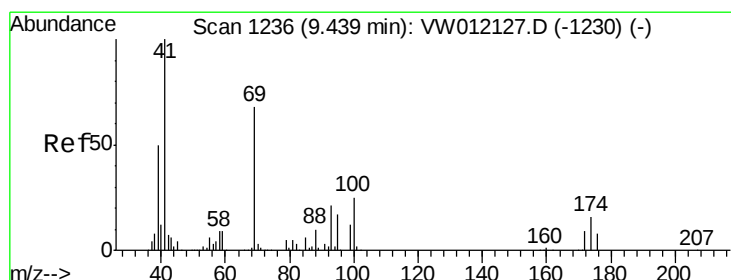
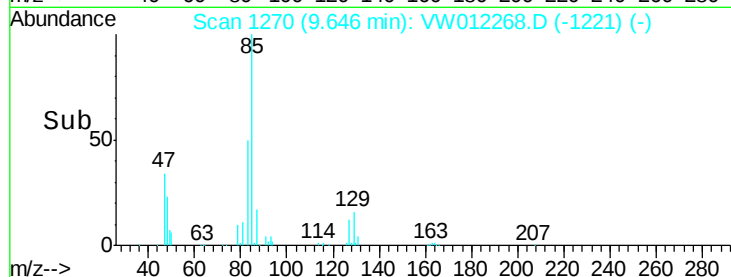
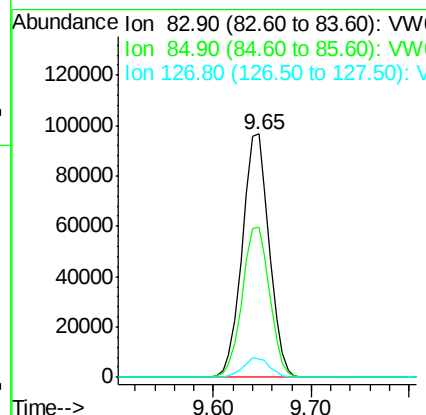
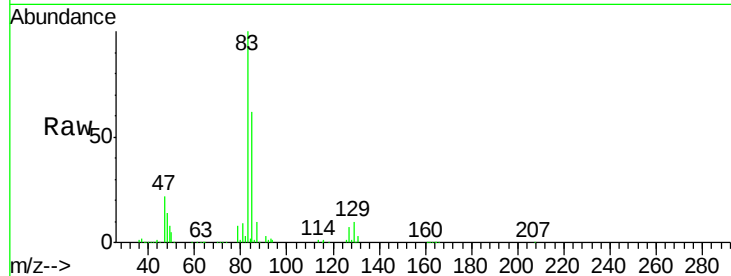
#47
 Bromodichloromethane
 Concen: 52.045 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	184941		
85	61.9	49.4	74.2	
127	7.3	6.1	9.1	

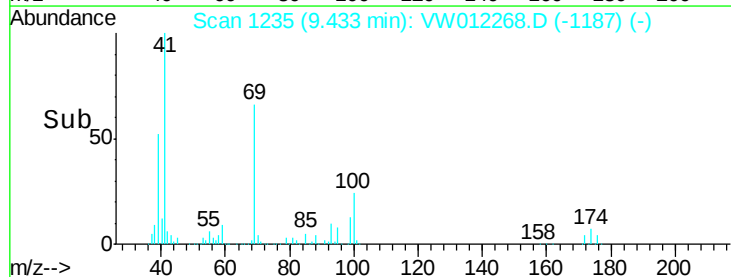
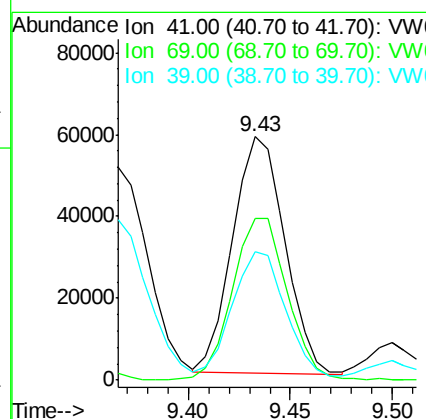
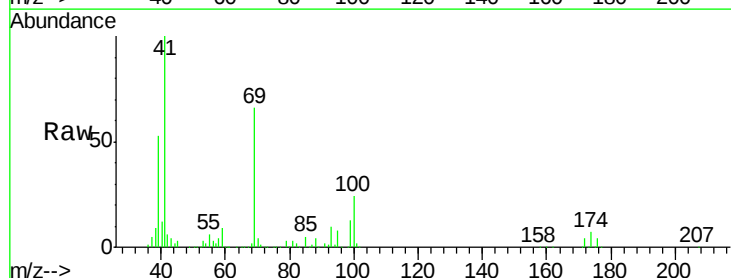
Manual Integrations
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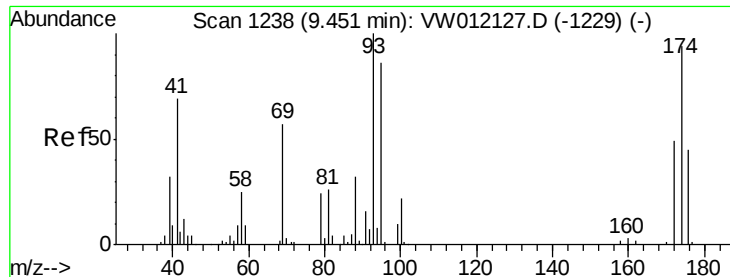
MMDadoda
 8/29/2019 9:41:39 AM



#48
 Methyl methacrylate
 Concen: 52.007 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	102598		
69	72.1	56.7	85.1	
39	52.8	42.0	63.0	





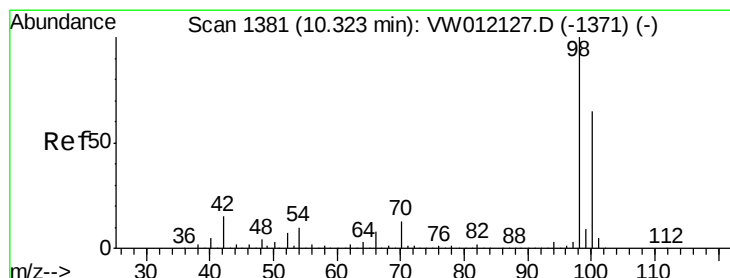
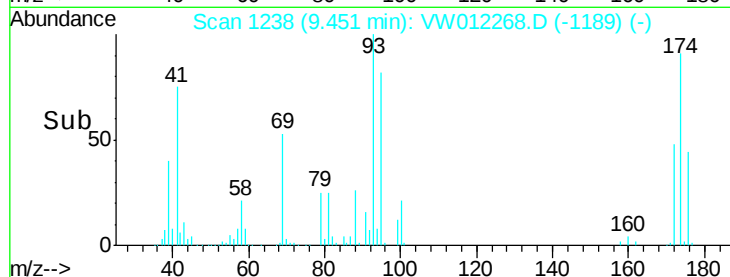
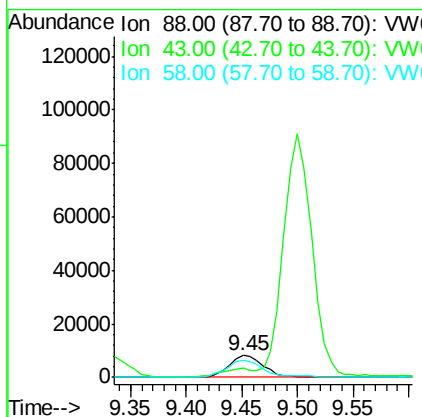
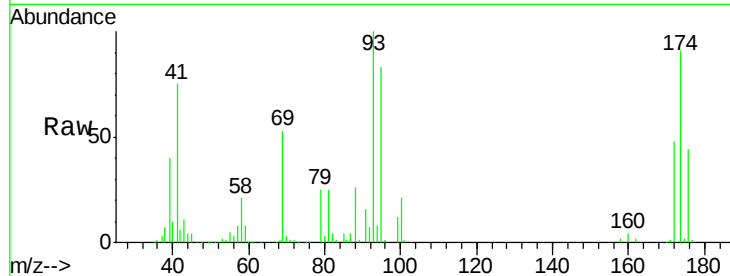
#49
 1,4-Dioxane
 Concen: 866.088 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	17703
Ion	Ratio	Lower	Upper
88	100		
43	38.9	32.9	49.3
58	85.2	71.0	106.4

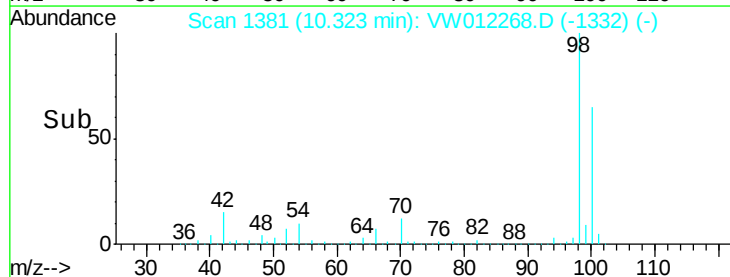
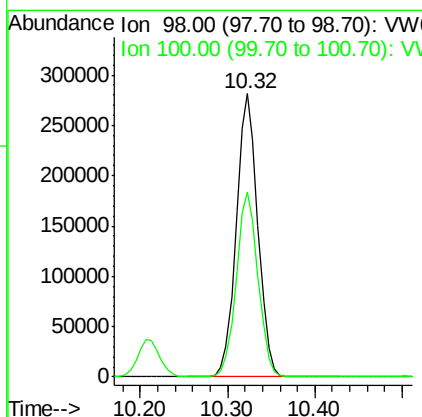
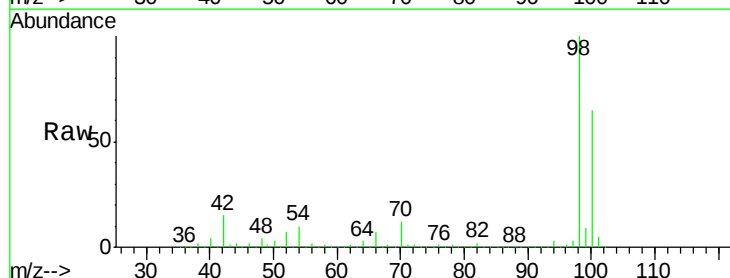
Manual Integrations
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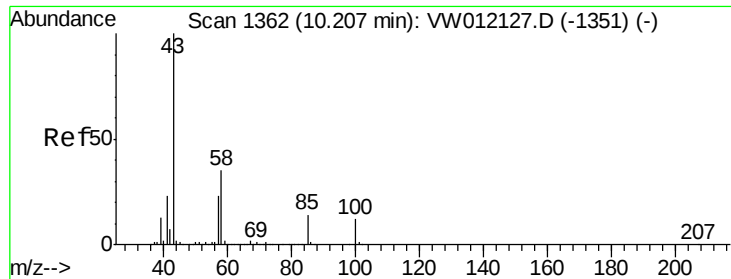
MMDadoda
 8/29/2019 9:41:39 AM



#50
 Toluene-d8
 Concen: 50.412 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion	98	Resp	482139
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6





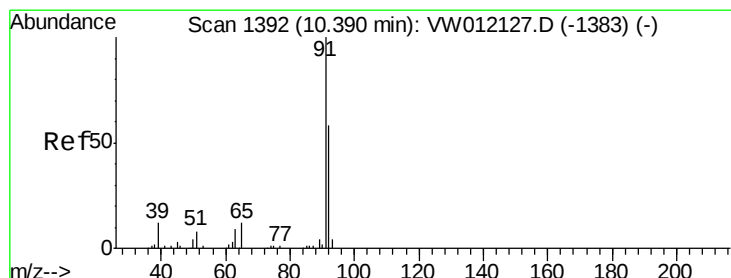
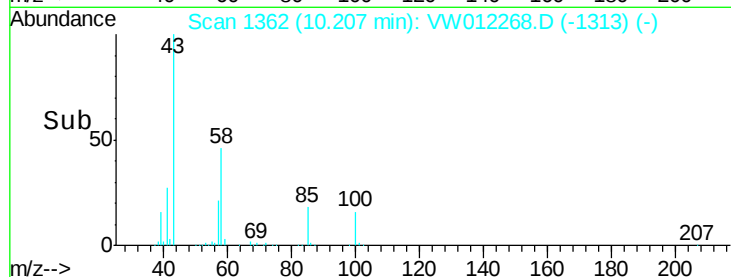
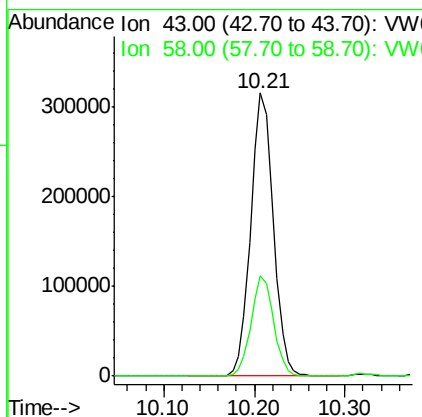
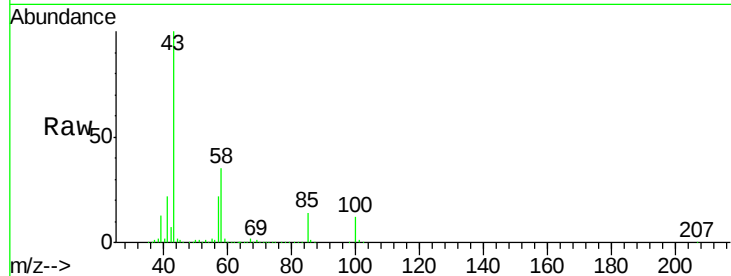
#51
4-Methyl-2-Pentanone
Concen: 258.746 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	545499
Ion Ratio	100	Lower	Upper
43	100		
58	35.1	28.2	42.2

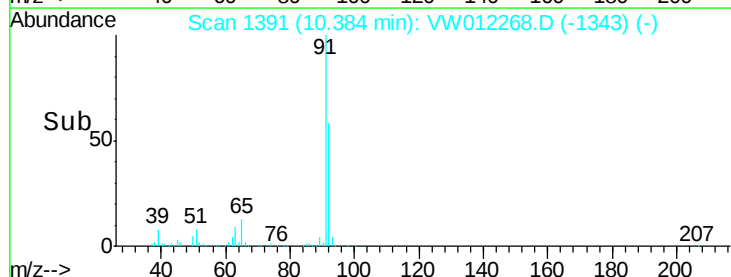
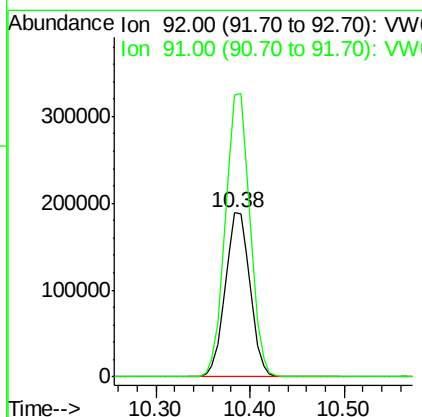
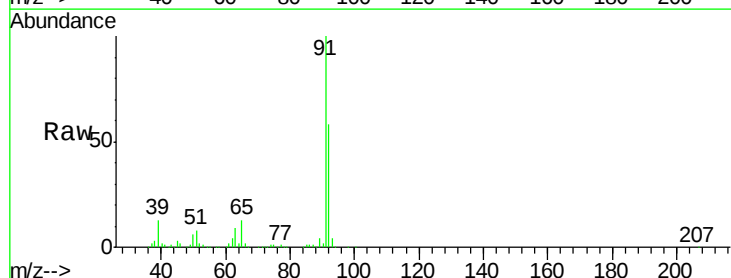
Manual Integrations
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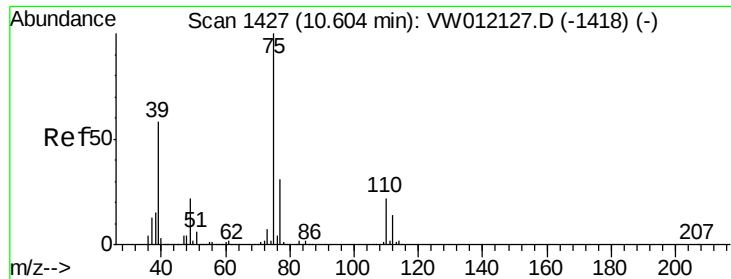
MMDadoda
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#52
Toluene
Concen: 51.273 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	92	Resp	343450
Ion Ratio	100	Lower	Upper
92	100		
91	171.8	136.6	204.8





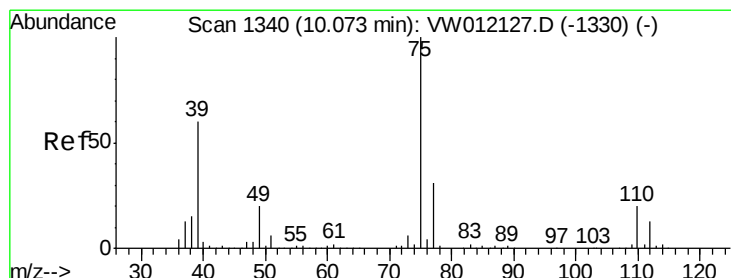
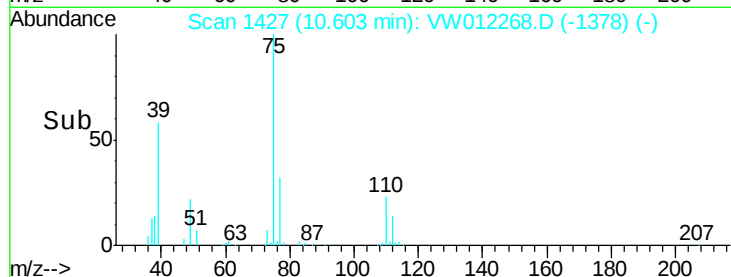
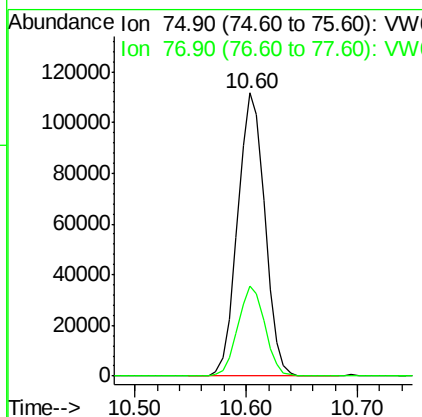
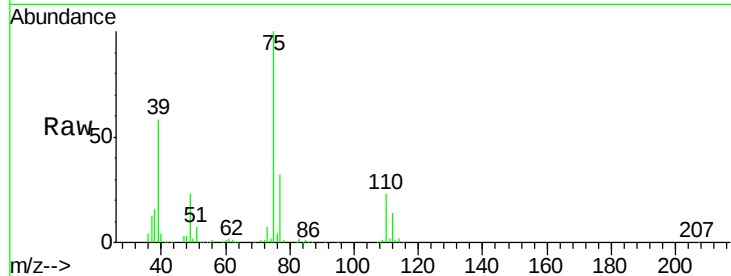
#53
t-1,3-Dichloropropene
Concen: 52.190 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4

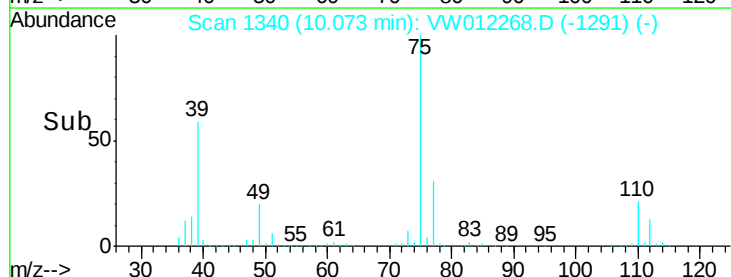
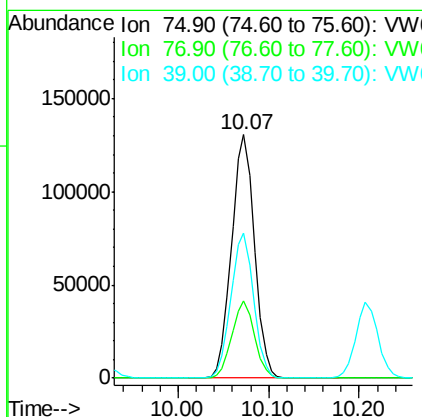
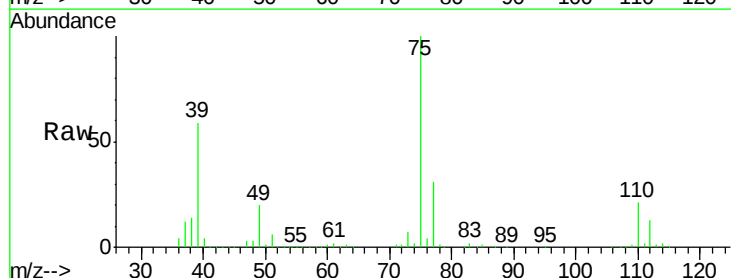
Manual Integrations
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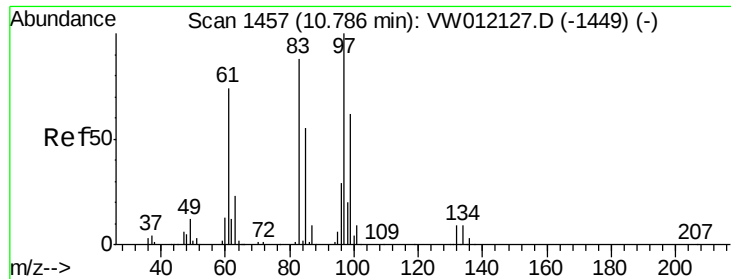
MMDadoda
8/29/2019 9:41:39 AM



#54
cis-1,3-Dichloropropene
Concen: 52.308 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	59.4	48.3	72.5





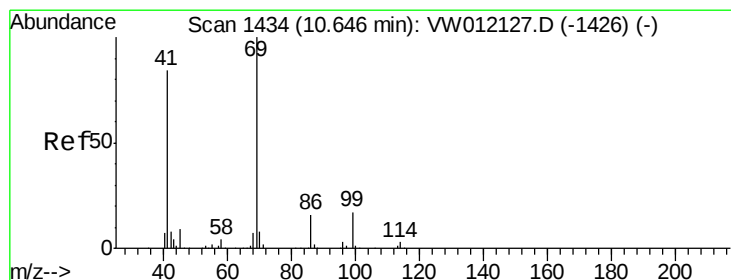
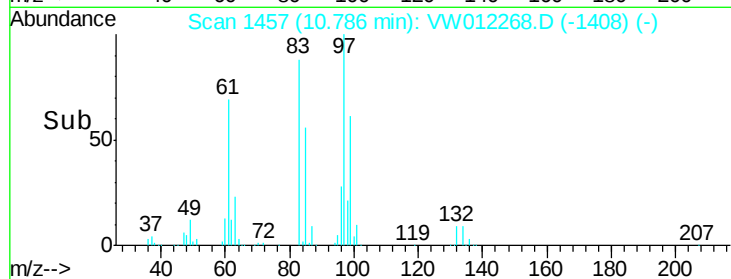
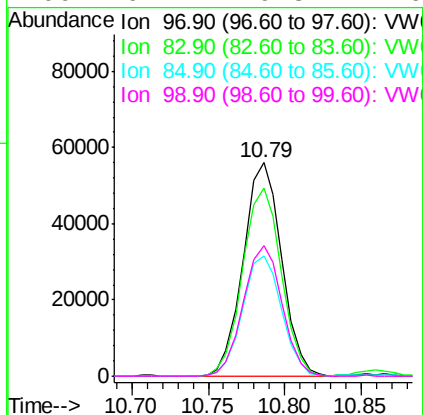
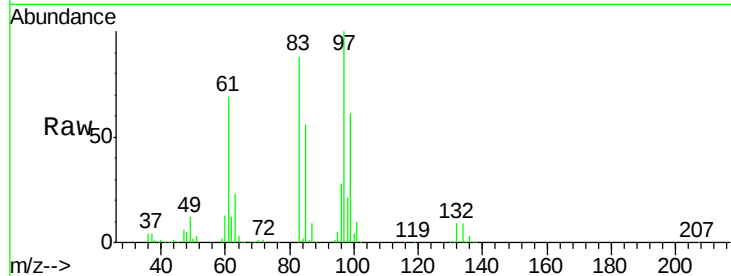
#55
 1,1,2-Trichloroethane
 Concen: 51.950 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.8	106.2
85	56.2	43.8	65.8
99	61.1	49.8	74.6

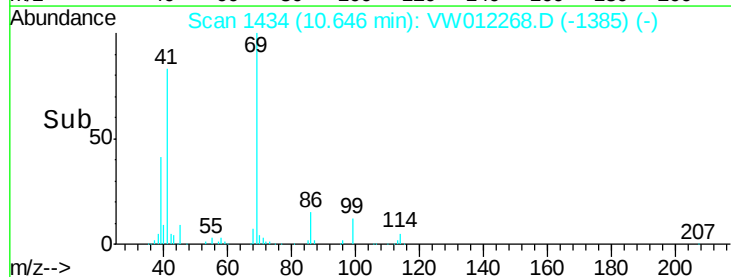
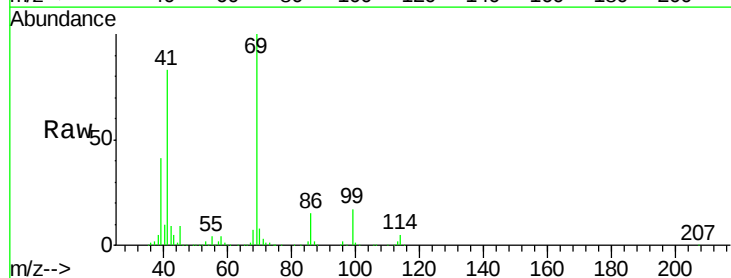
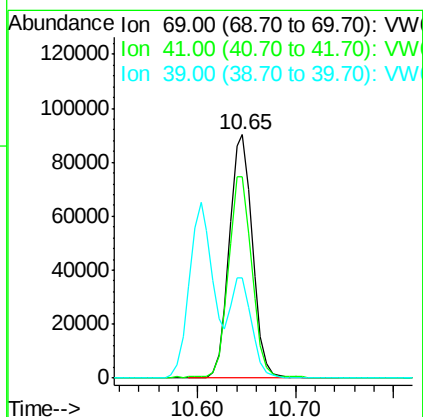
Manual Integrations
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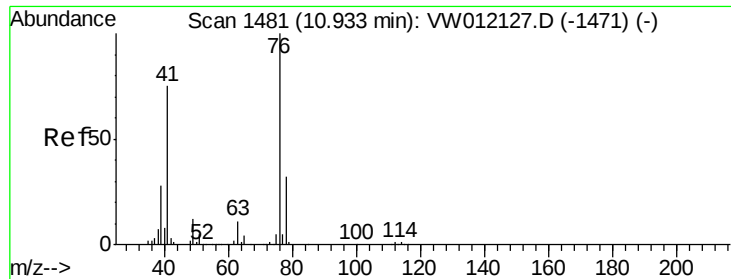
MMDadoda
 8/29/2019 9:41:39 AM



#56
 Ethyl methacrylate
 Concen: 53.740 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.1	66.5	99.7
39	37.0	31.0	46.4





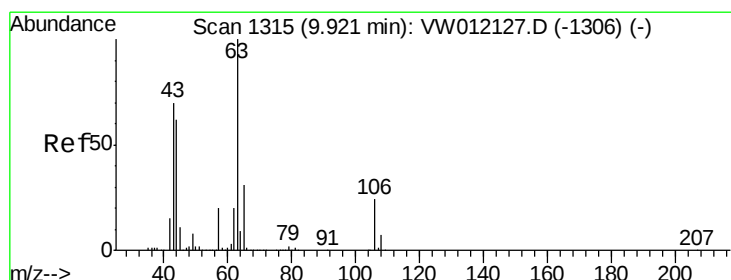
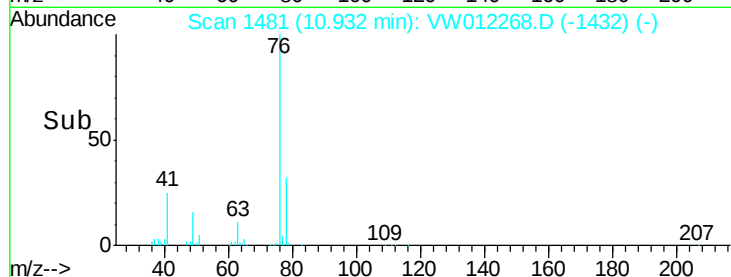
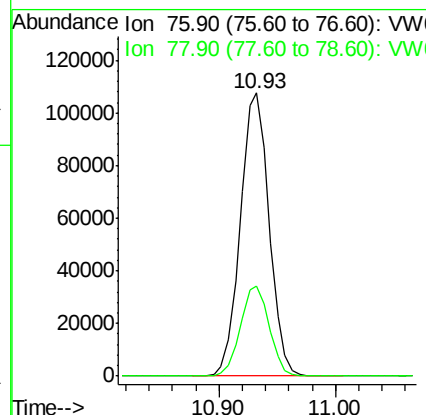
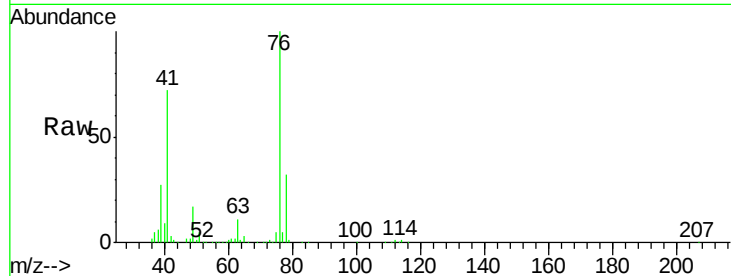
#57
 1,3-Dichloropropane
 Concen: 51.822 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 185002
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

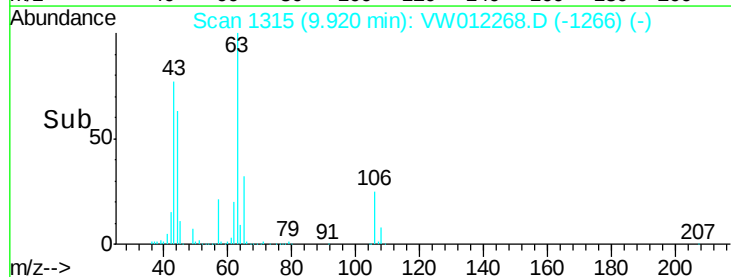
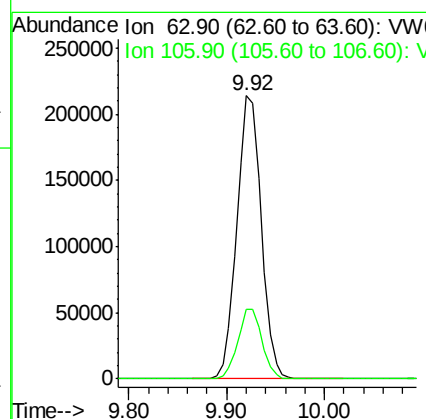
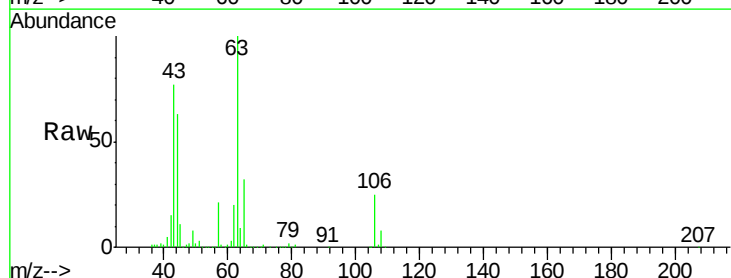
Manual Integrations
 APPROVED

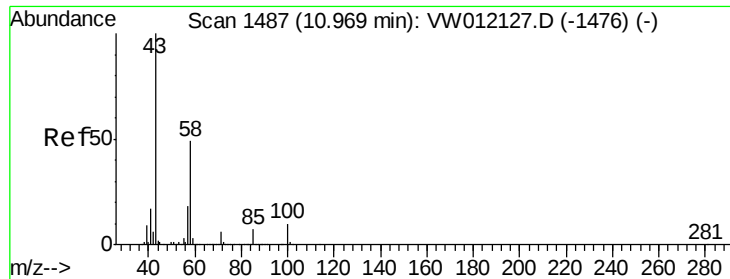
MMDadoda
 8/29/2019 9:41:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.726 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 63 Resp: 370726
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8





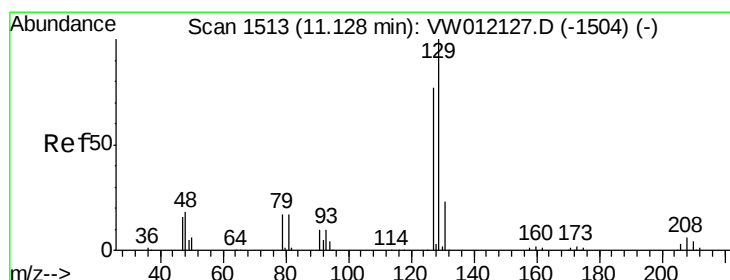
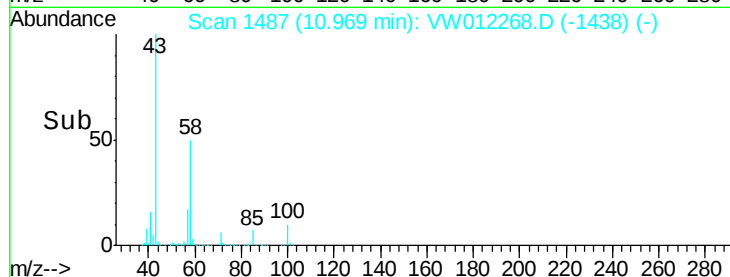
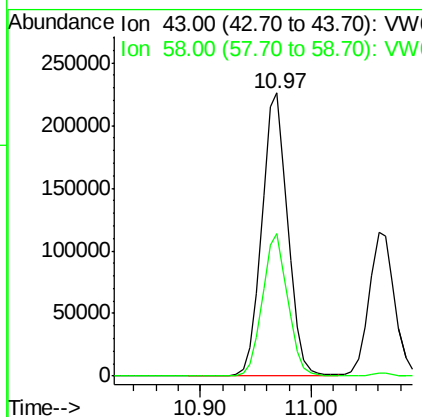
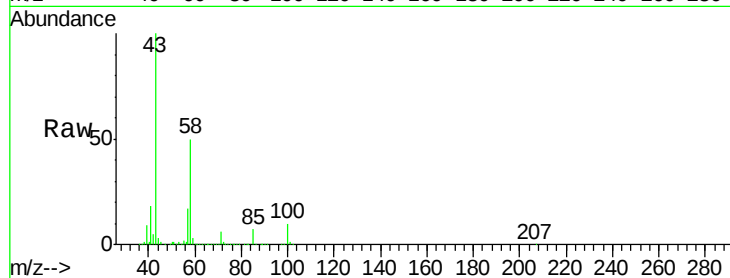
#59
2-Hexanone
Concen: 245.965 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.3	24.3	72.9

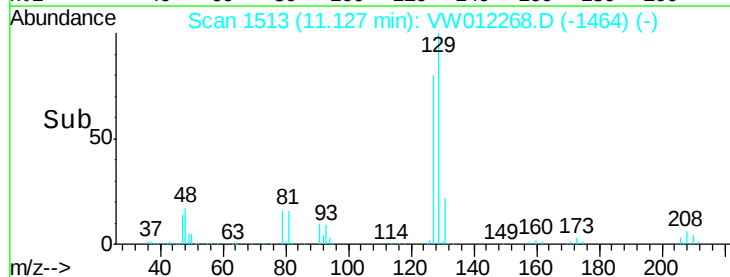
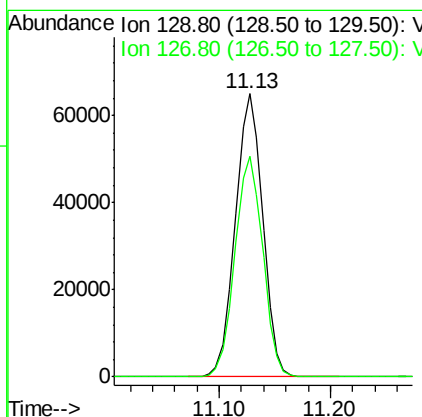
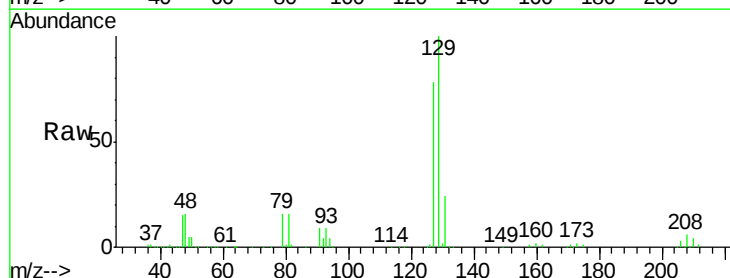
Manual Integrations
APPROVED

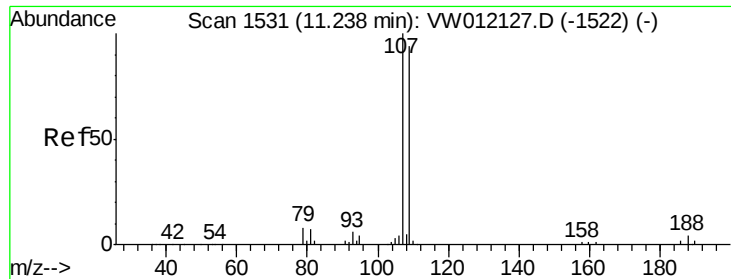
MMDadoda
8/29/2019 9:41:39 AM



#60
Dibromochloromethane
Concen: 52.641 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.6	115.8





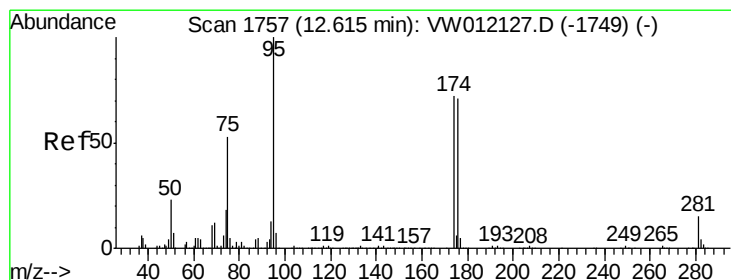
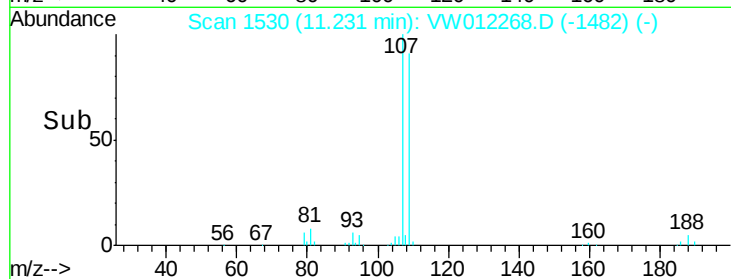
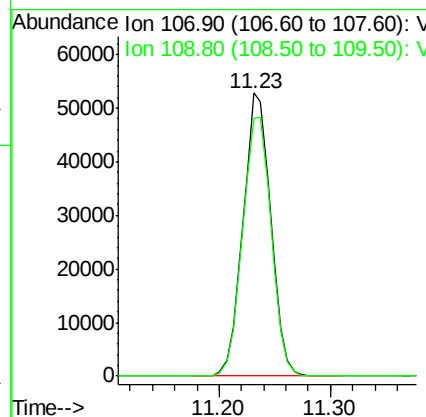
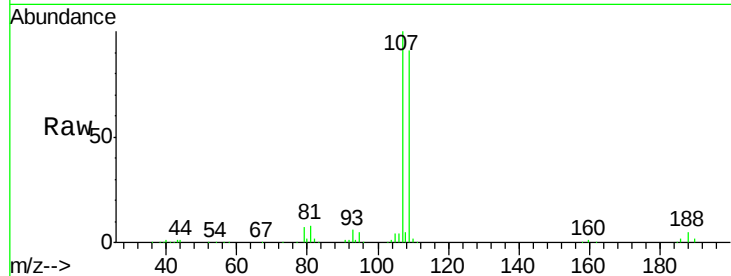
#61
 1,2-Dibromoethane
 Concen: 51.723 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.4	113.2

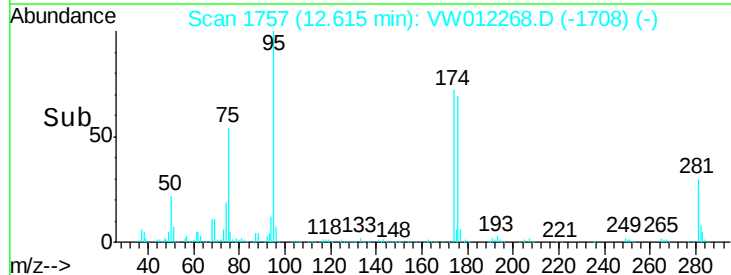
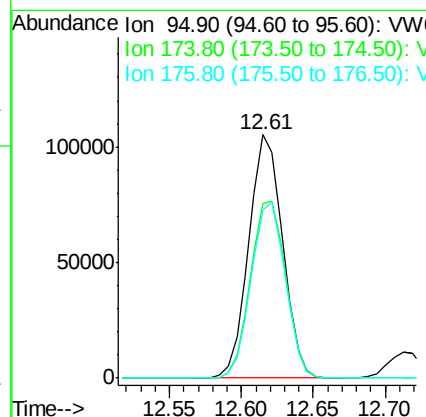
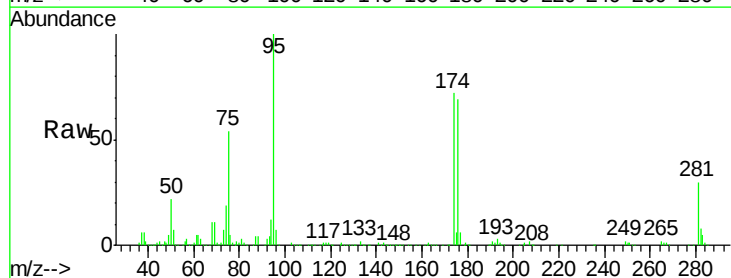
Manual Integrations
 APPROVED

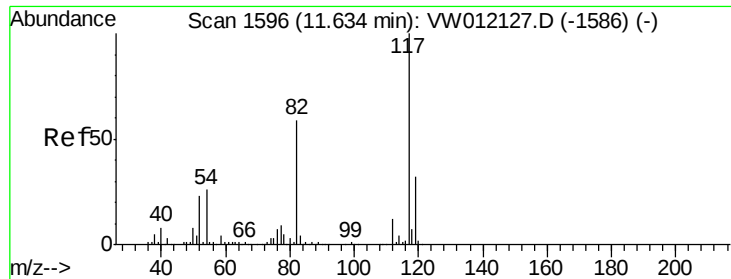
MMDadoda
 8/29/2019 9:41:39 AM



#62
 4-Bromofluorobenzene
 Concen: 50.612 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.8
176	73.2	0.0	148.6





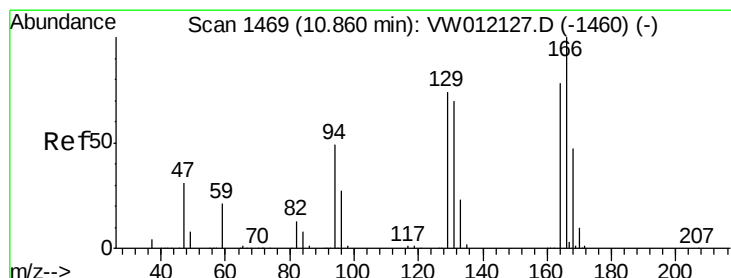
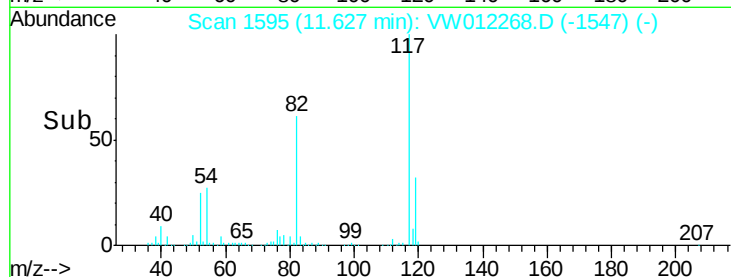
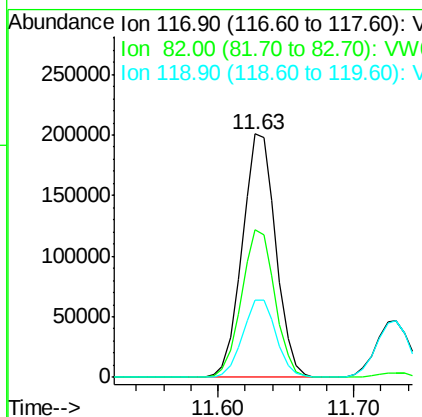
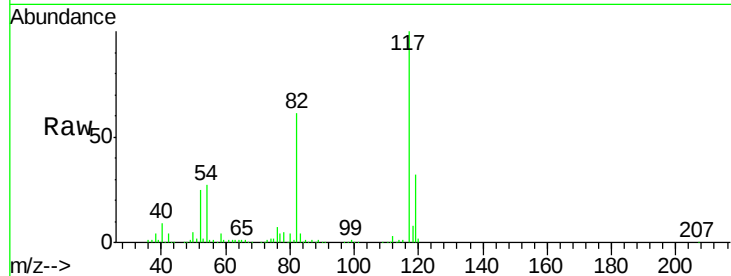
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	344890		
82	60.7	47.4	71.2	
119	31.8	25.4	38.2	

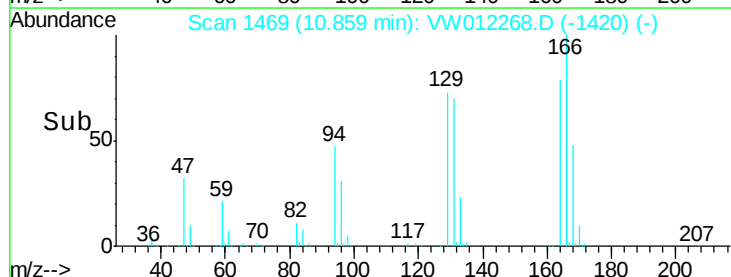
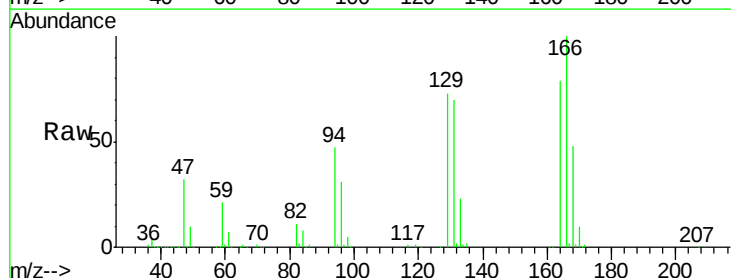
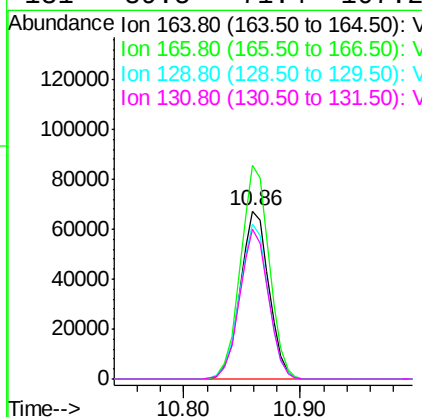
Manual Integrations
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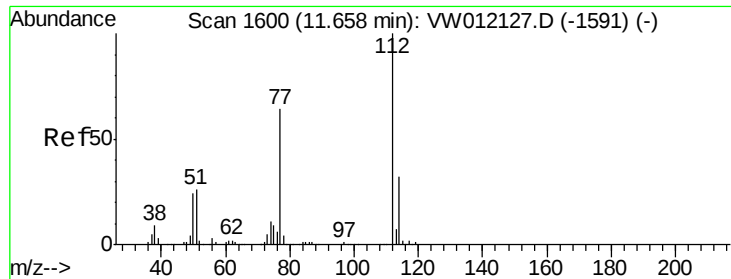
MMDadoda
8/29/2019 9:41:39 AM



#64
Tetrachloroethene
Concen: 51.320 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114752		
166	127.3	102.4	153.6	
129	92.6	75.8	113.6	
131	89.5	71.4	107.2	





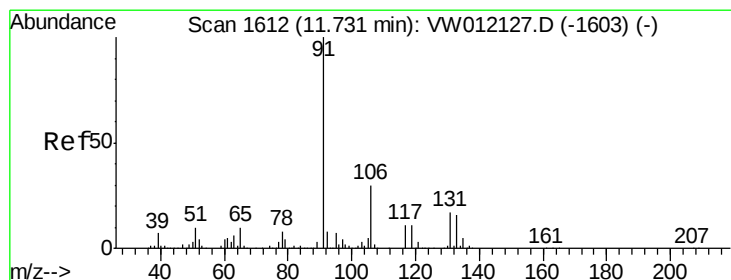
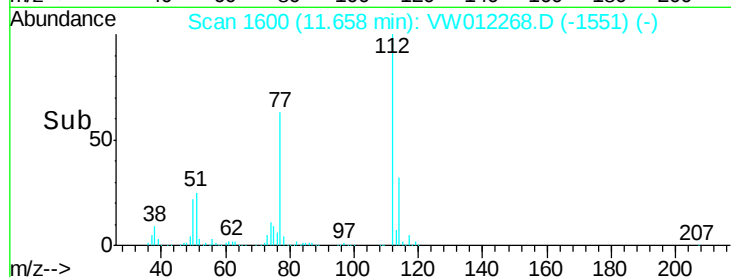
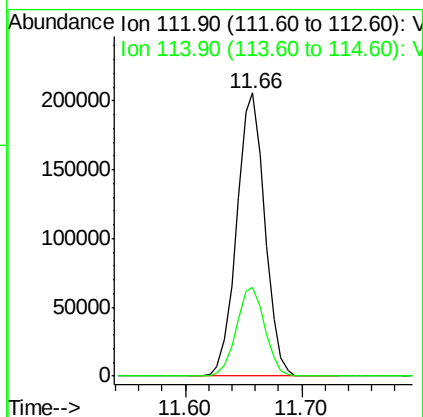
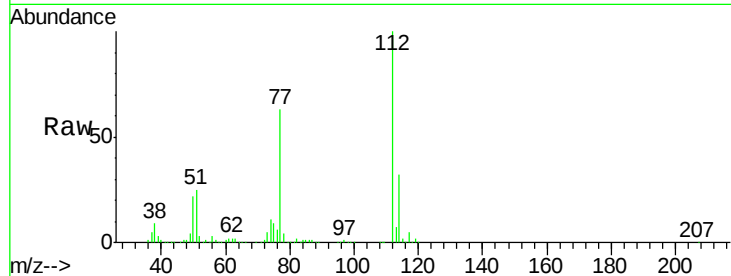
#65
Chlorobenzene
Concen: 50.820 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	345129		
114	31.5	25.8	38.6	

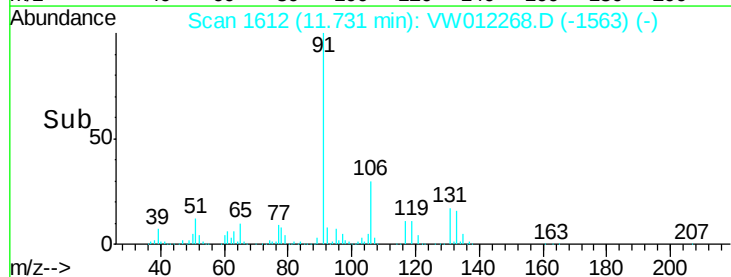
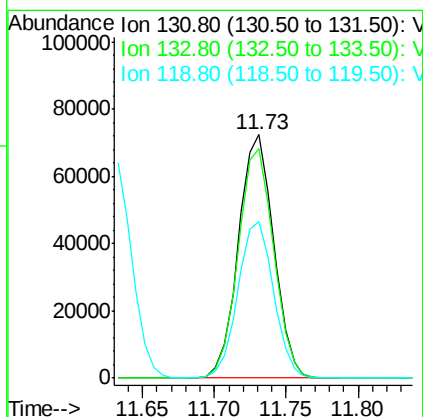
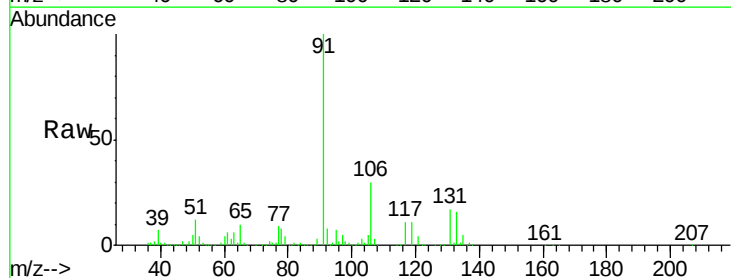
Manual Integrations
APPROVED

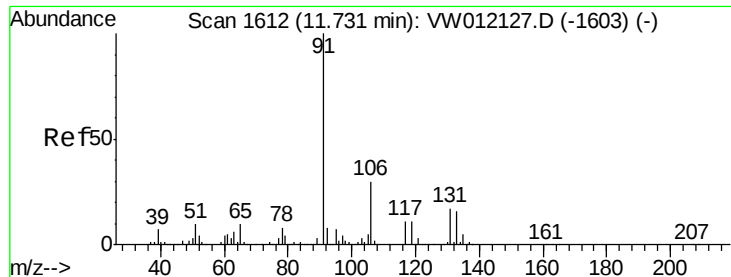
MMDadoda
8/29/2019 9:41:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.838 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	122812		
133	95.1	47.1	141.3	
119	65.0	31.8	95.3	





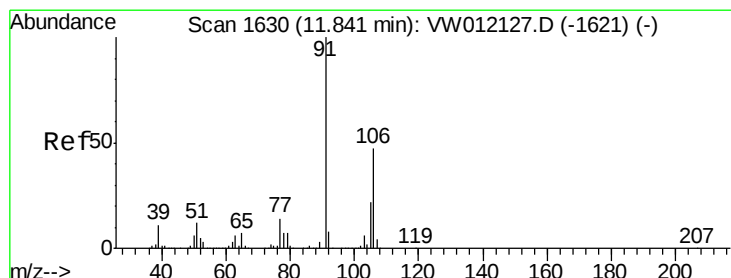
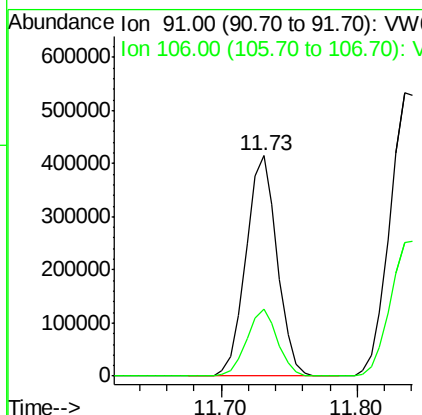
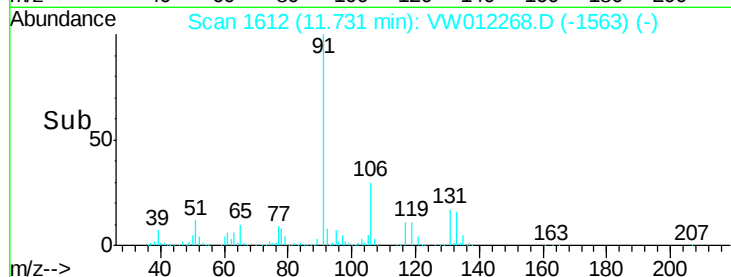
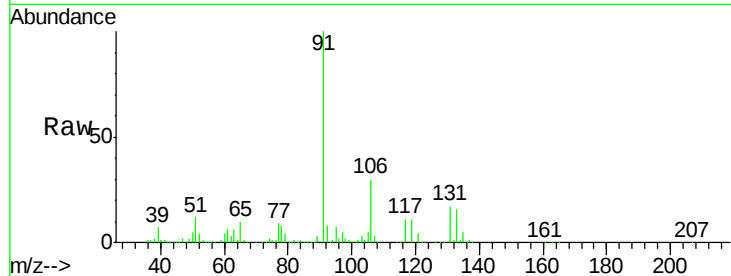
#67
Ethyl Benzene
Concen: 50.869 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 665469
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5

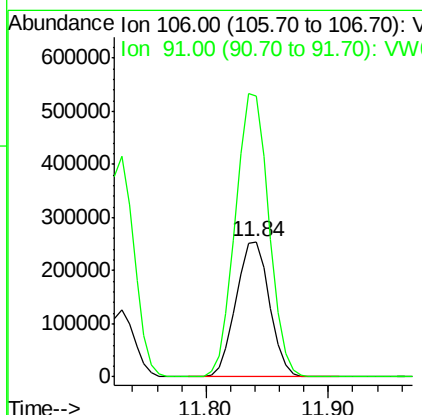
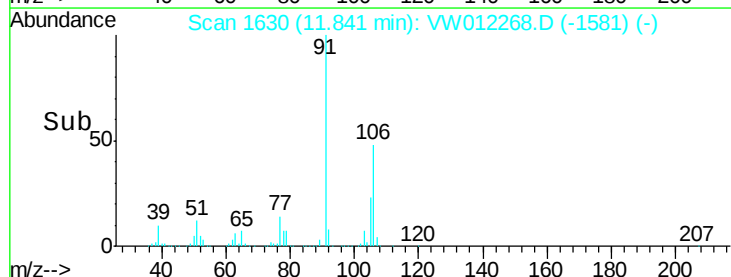
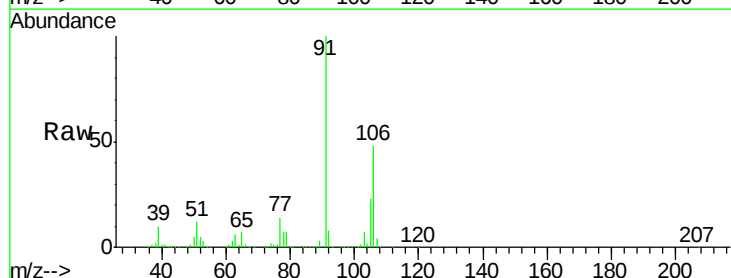
Manual Integrations
APPROVED

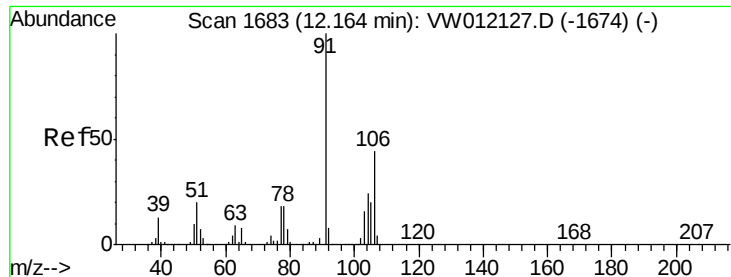
MMDadoda
8/29/2019 9:41:39 AM



#68
m/p-Xylenes
Concen: 102.225 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion: 106 Resp: 481714
Ion Ratio Lower Upper
106 100
91 209.9 169.5 254.3





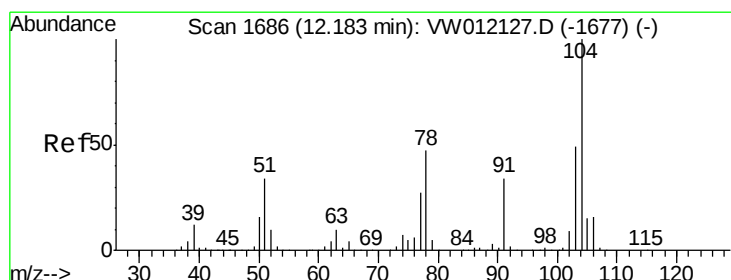
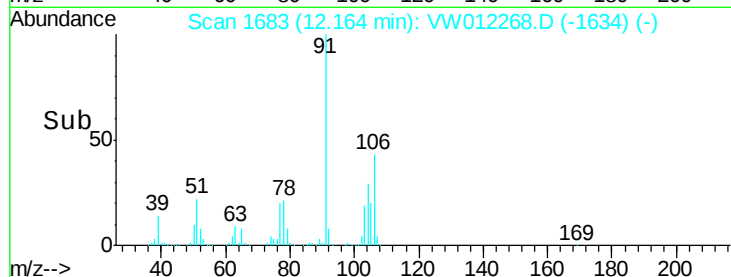
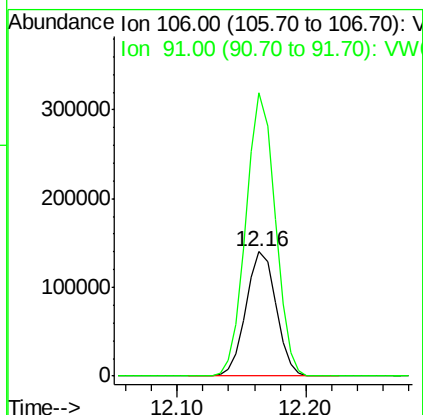
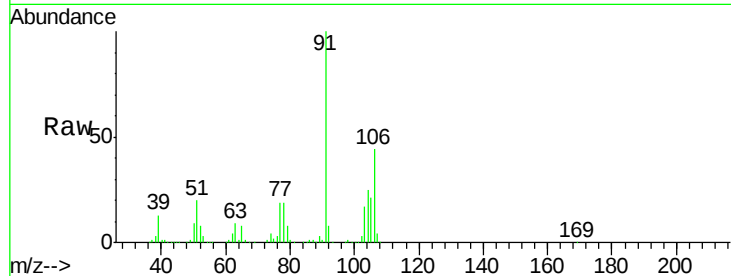
#69
o-Xylene
Concen: 51.873 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.7	111.6	334.6

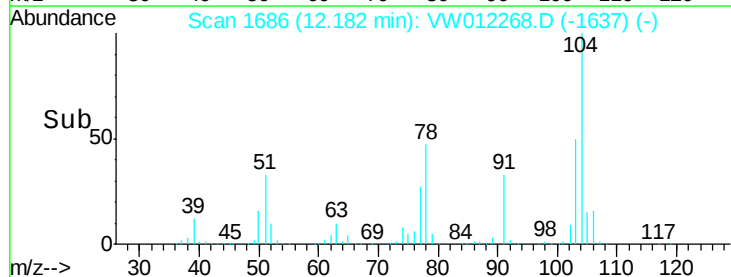
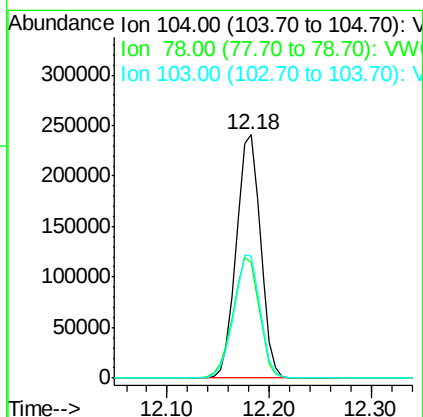
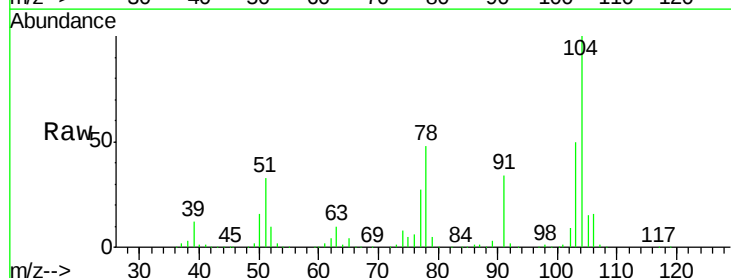
Manual Integrations
APPROVED

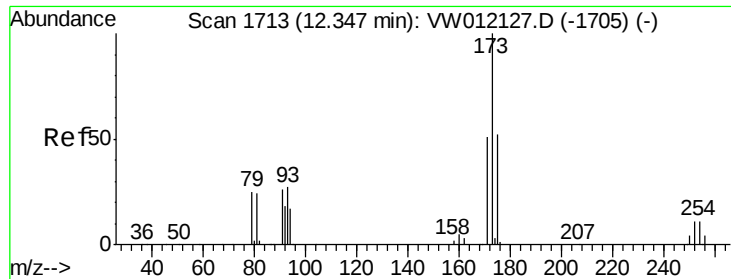
MMDadoda
8/29/2019 9:41:39 AM



#70
Styrene
Concen: 52.106 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.1	64.7
103	54.6	43.5	65.3





#71

Bromoform

Concen: 53.456 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

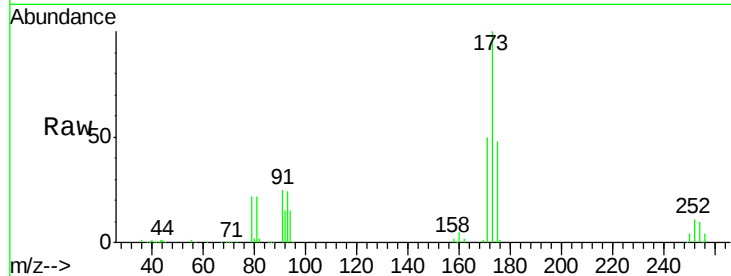
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	74.0
254	0.1	0.2	0.2

Manual Integrations
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8/29/2019 9:41:39 AM

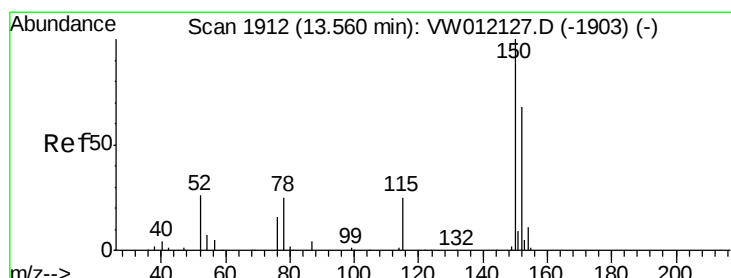
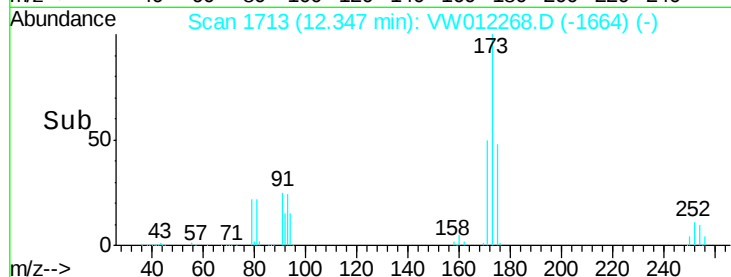
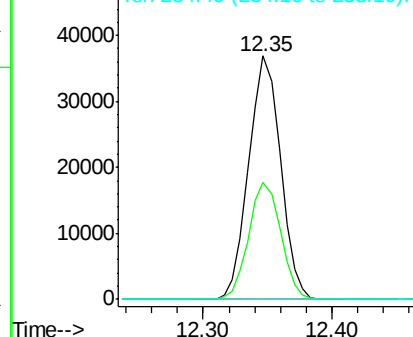


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

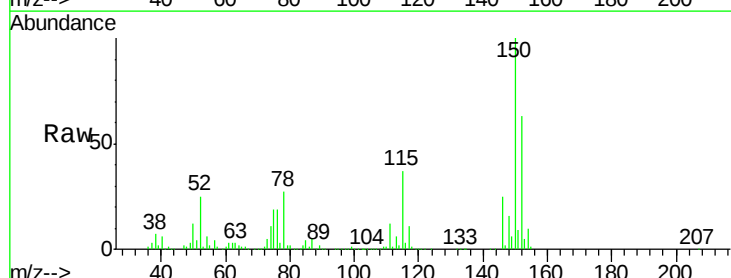
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.1	90.3
150	171.4	0.0	345.8

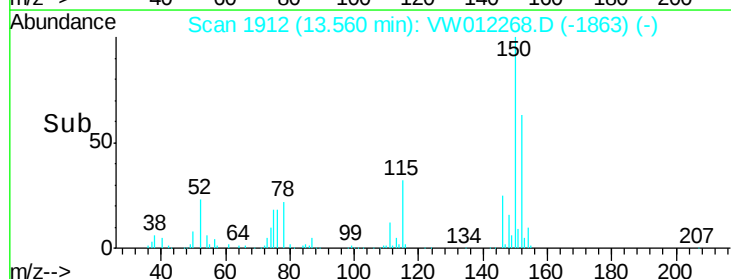
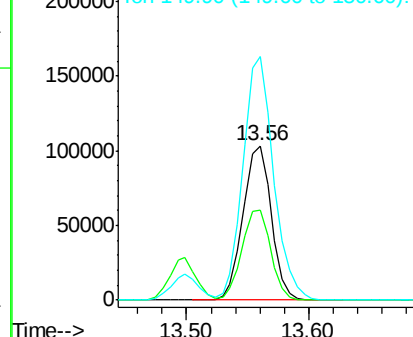


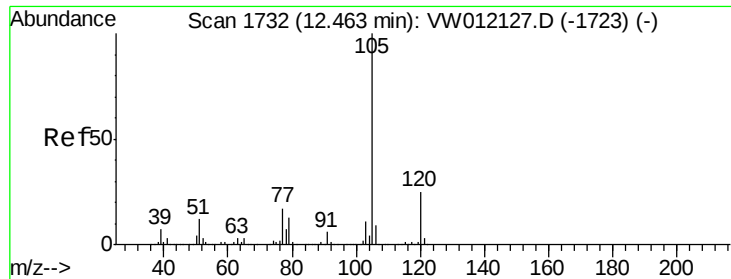
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





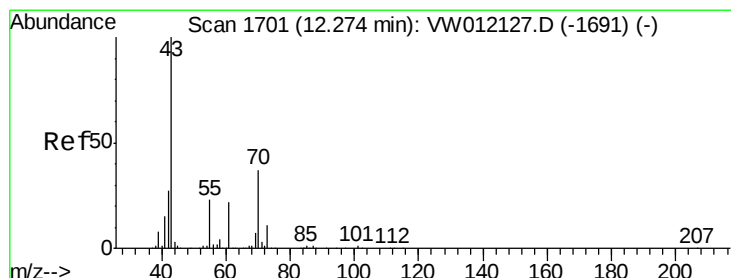
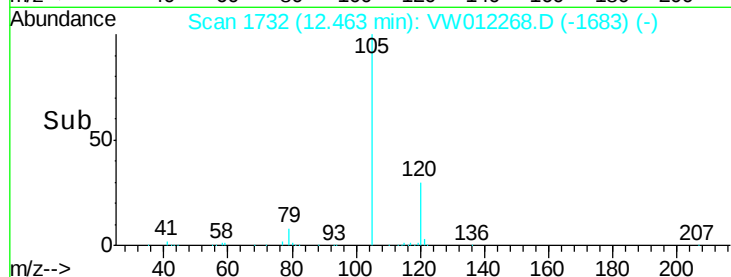
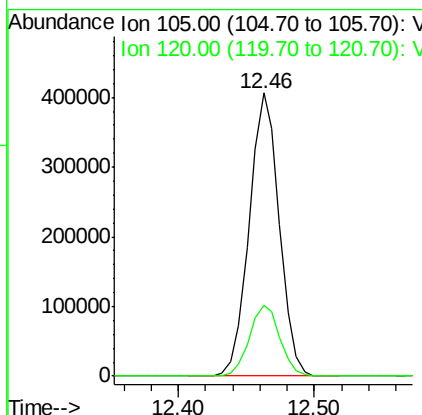
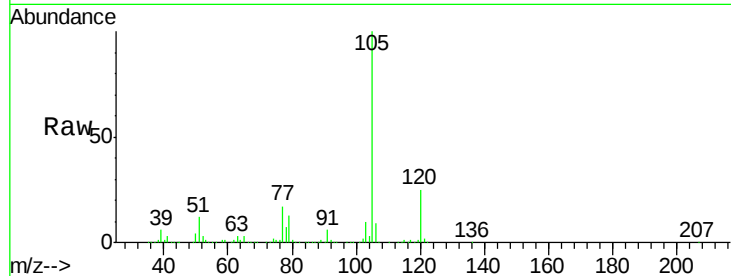
#73
Isopropylbenzene
Concen: 50.847 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.5	37.5

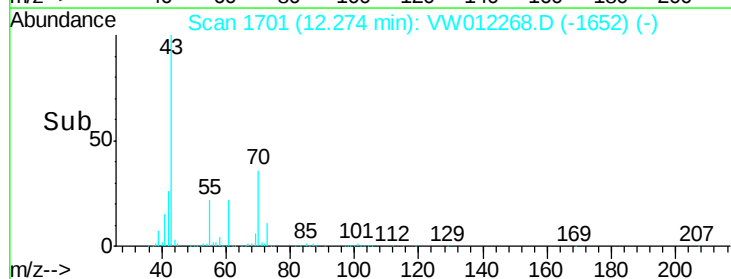
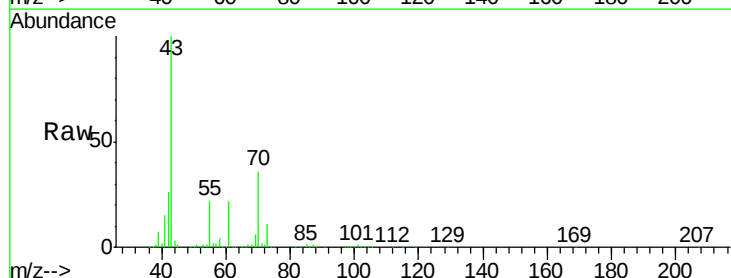
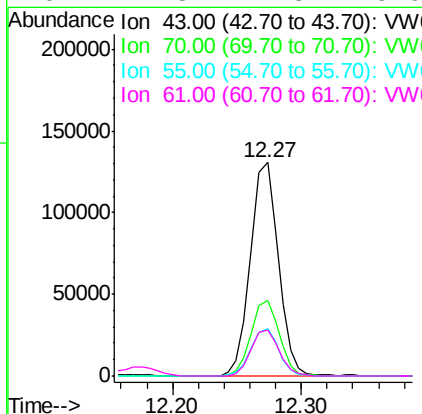
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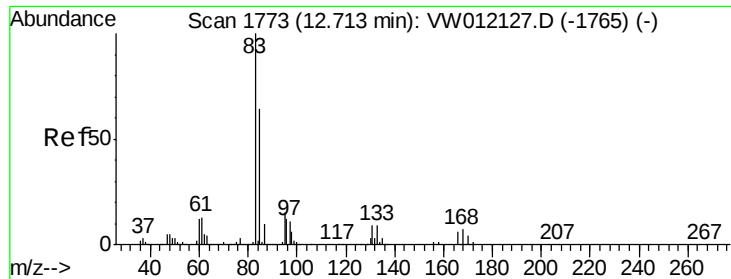
MMDadoda
8/29/2019 9:41:39 AM



#74
N-ethyl acetate
Concen: 52.573 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.9	28.6	43.0
55	22.6	17.8	26.6
61	21.8	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.548 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

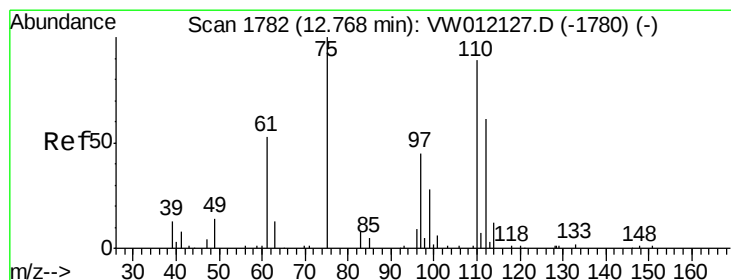
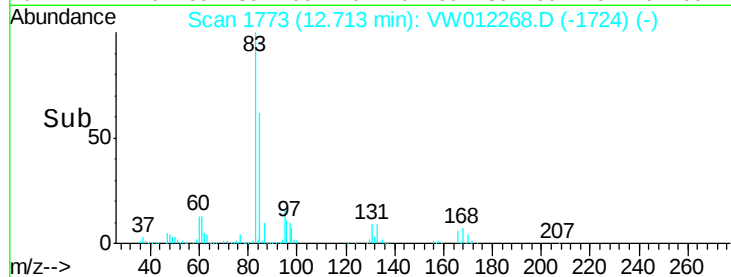
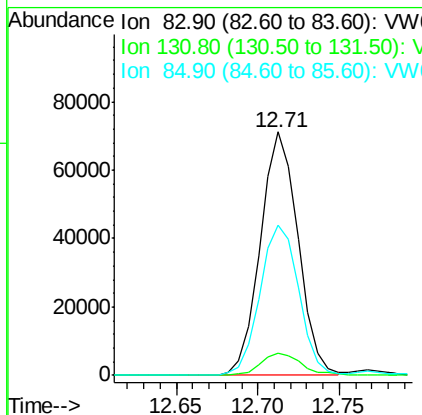
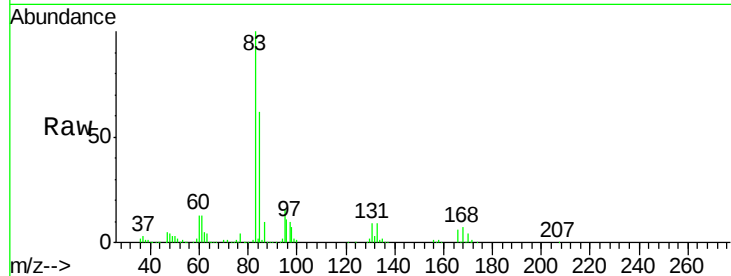
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	114306
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	63.8	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 48.657 ug/l m

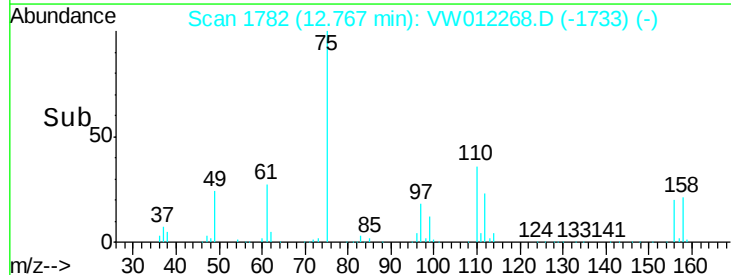
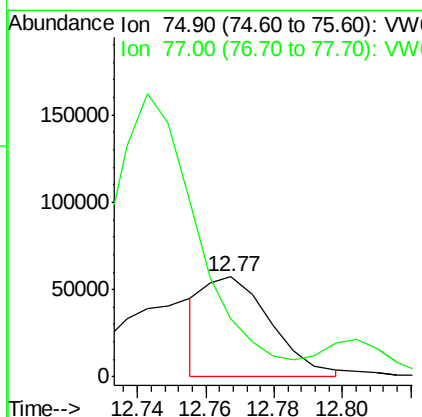
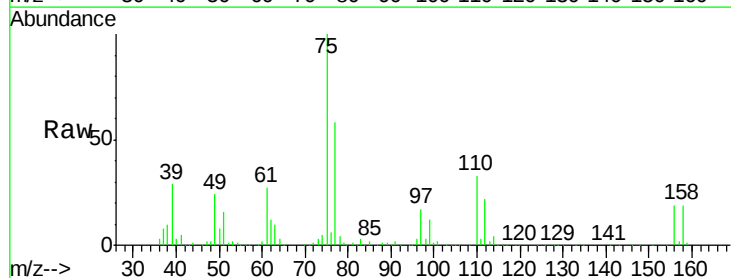
RT: 12.77 min Scan# 1782

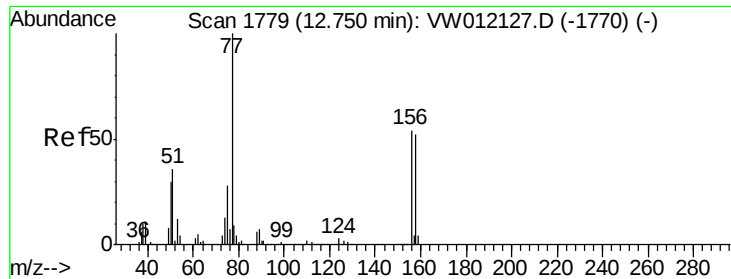
Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion:	75	Resp:	78009
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





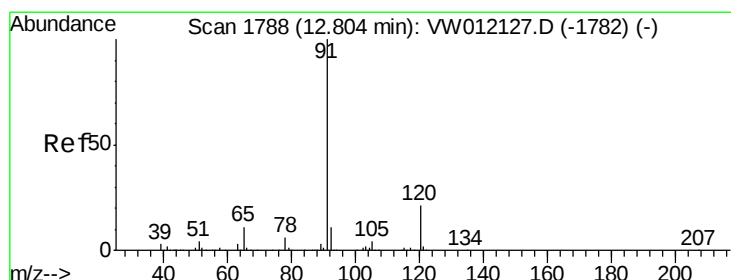
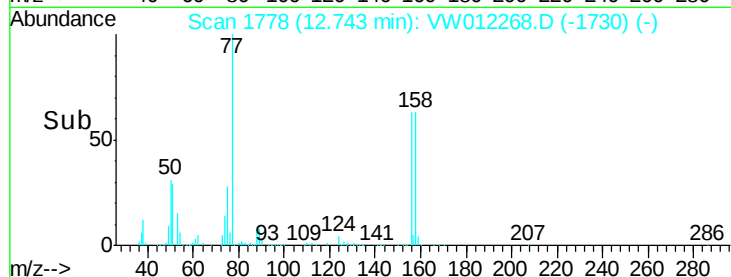
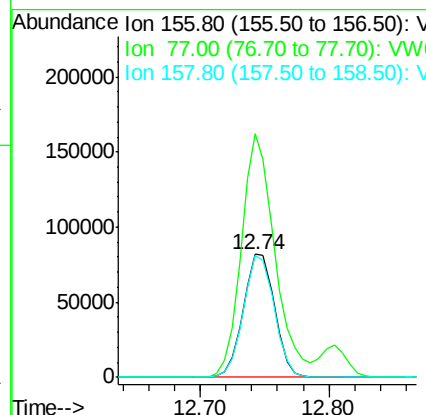
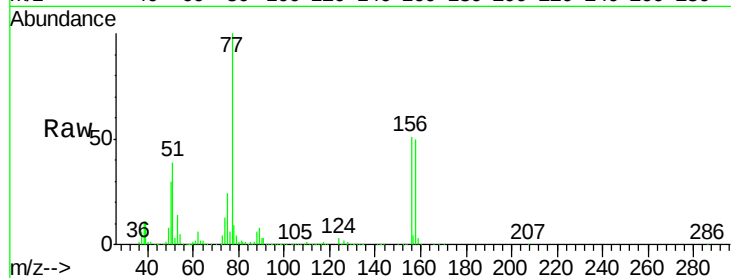
#77
Bromobenzene
Concen: 51.436 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	211.6	107.3	321.8
158	97.6	49.0	147.0

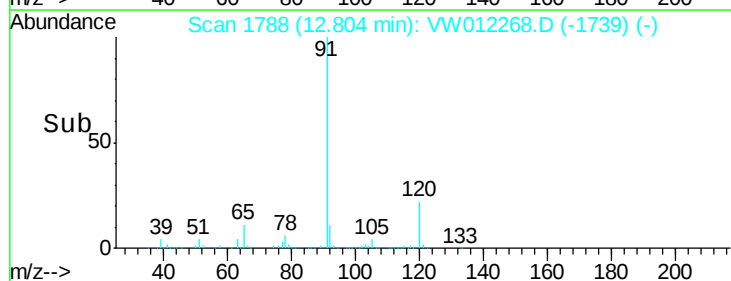
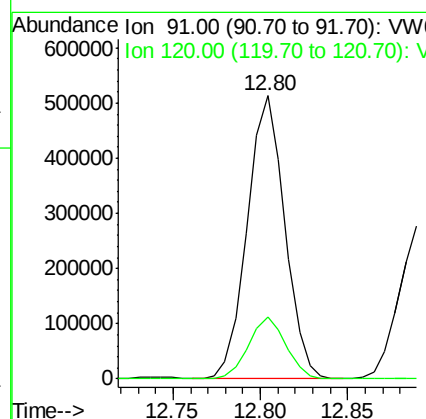
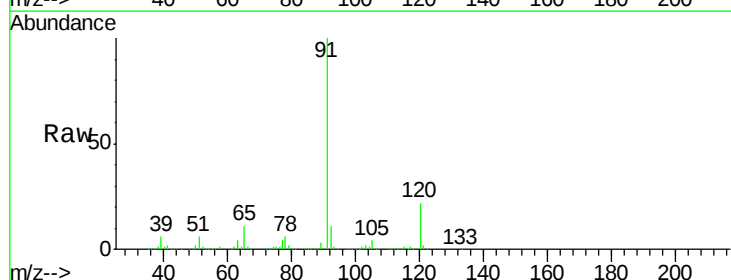
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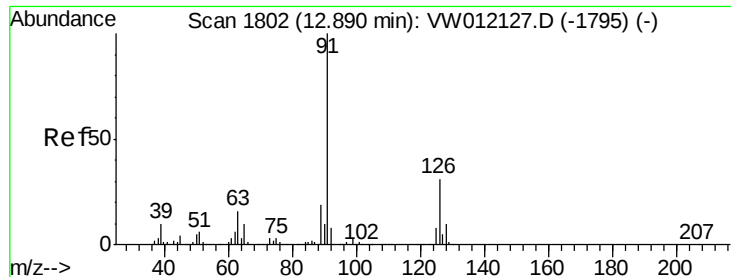
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#78
n-propylbenzene
Concen: 50.676 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.5	31.6





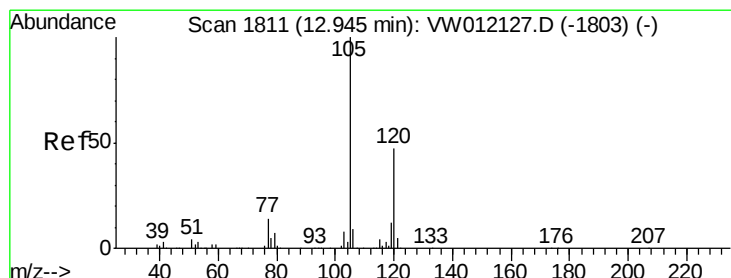
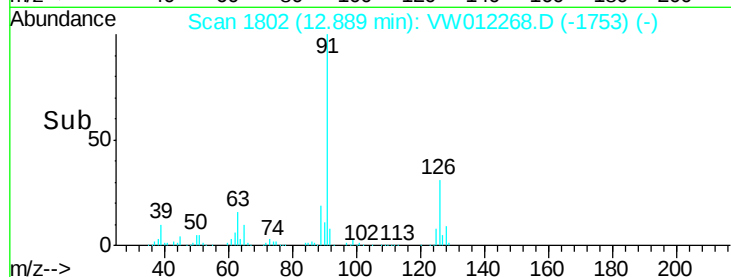
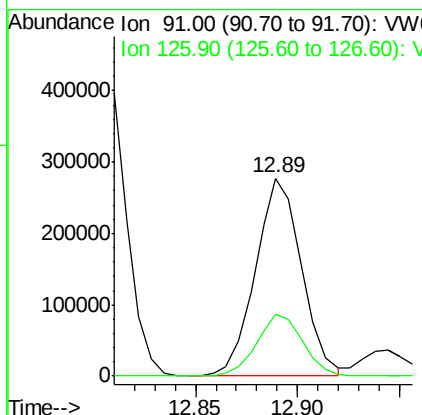
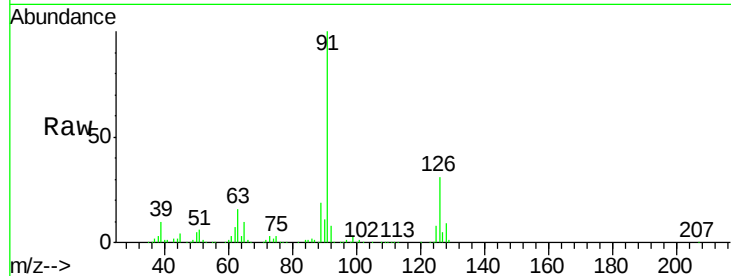
#79
 2-Chlorotoluene
 Concen: 50.847 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 434702
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.0

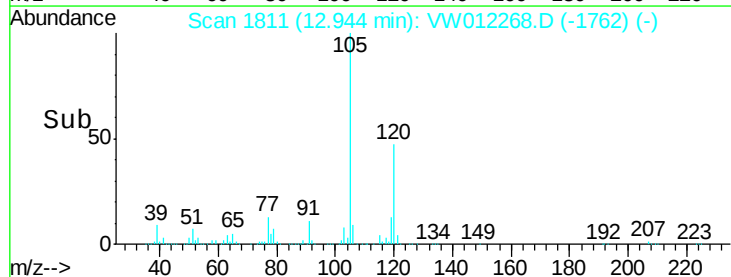
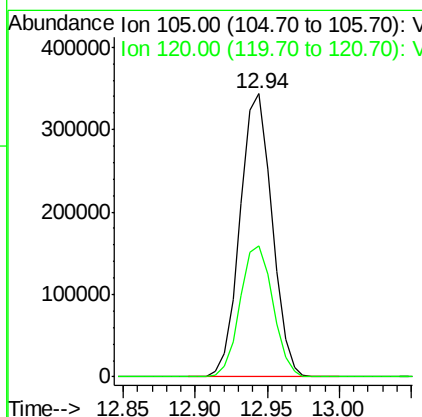
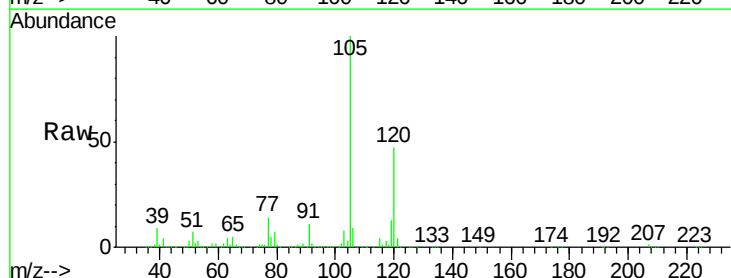
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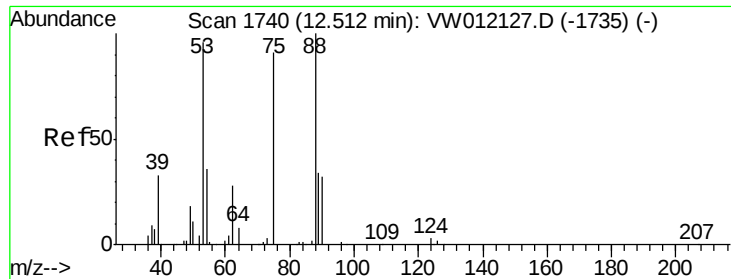
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.323 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion: 105 Resp: 528983
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.0 72.0





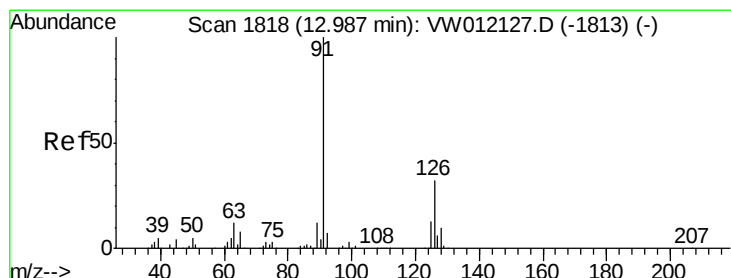
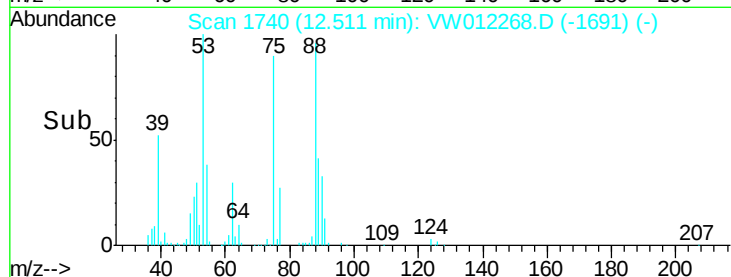
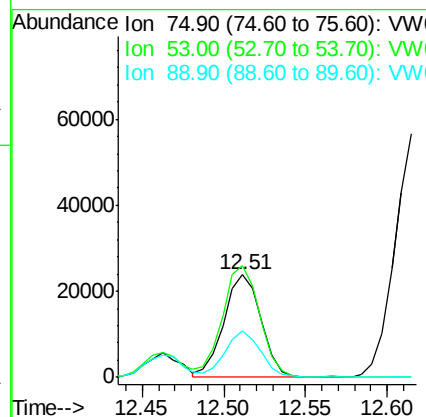
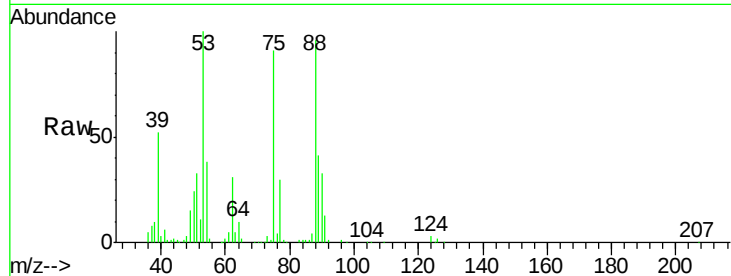
#81
trans-1,4-Dichloro-2-butene
Concen: 51.381 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.5	89.4	134.0
89	42.9	34.5	51.7

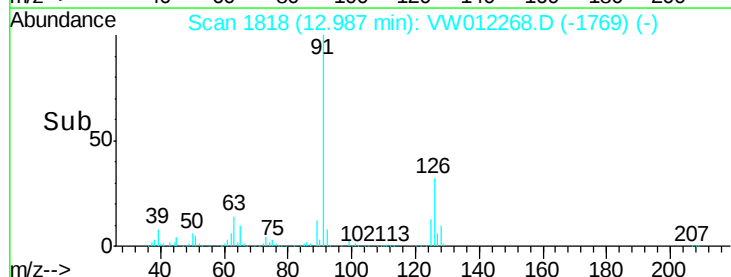
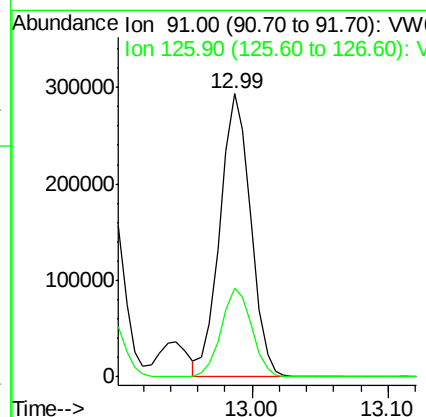
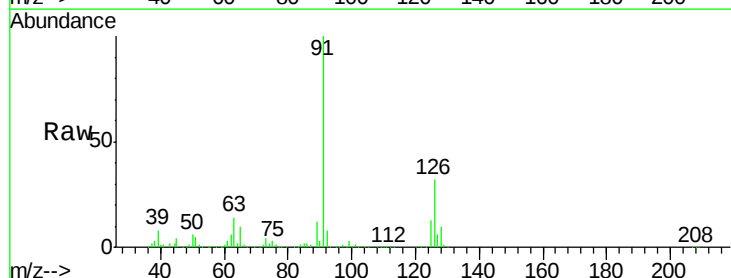
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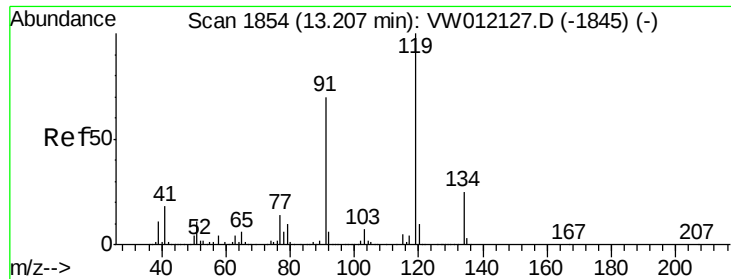
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#82
4-Chlorotoluene
Concen: 51.053 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





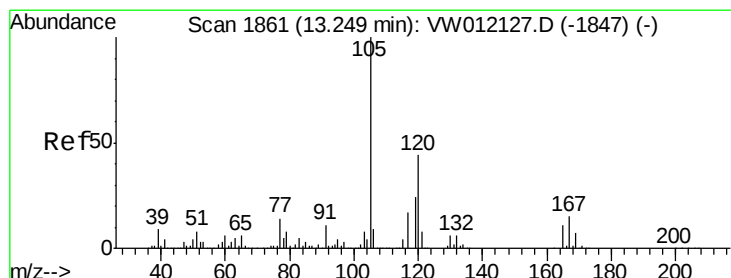
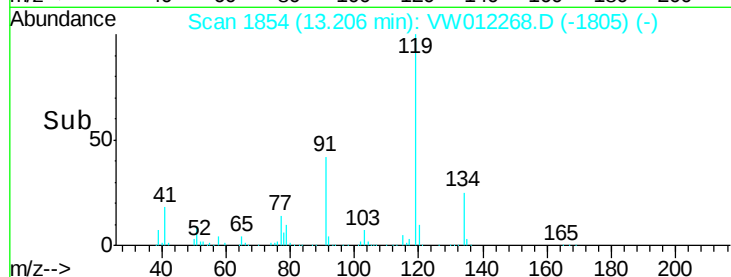
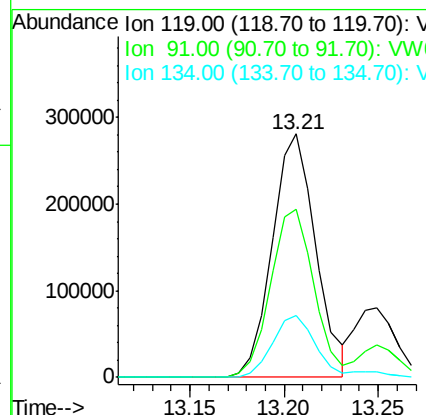
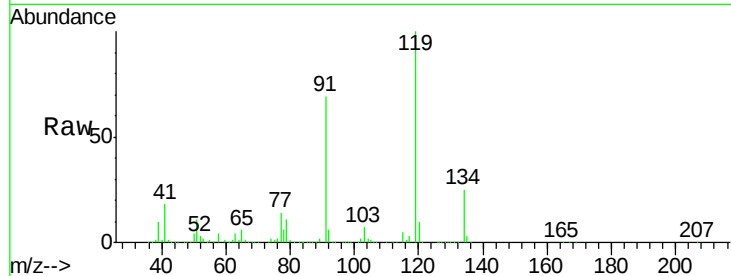
#83
 tert-Butylbenzene
 Concen: 51.535 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.8	104.3
134	25.2	13.3	39.8

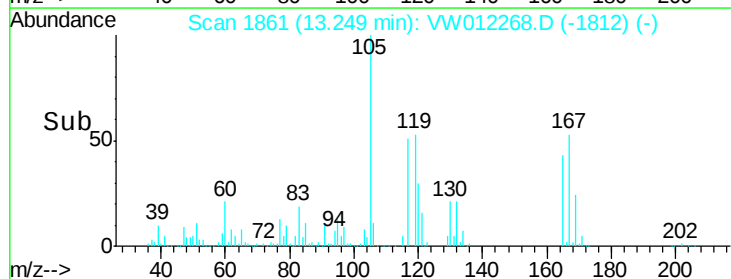
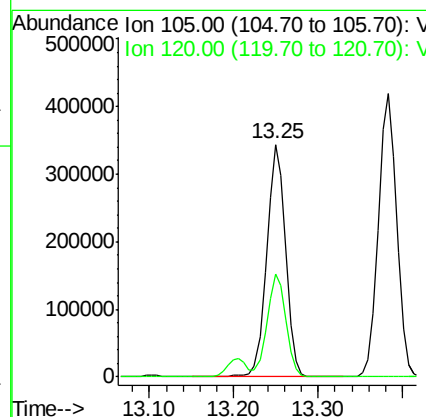
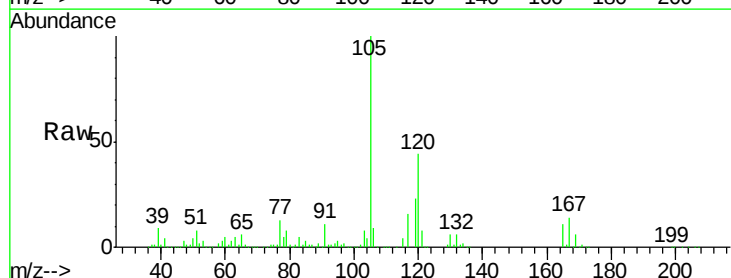
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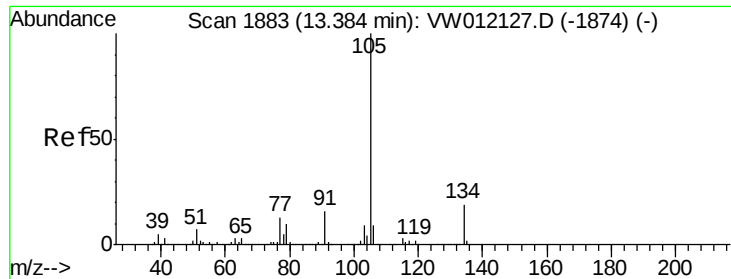
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.061 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.9	65.7





#85

sec-Butylbenzene

Concen: 50.676 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 633886

Ion Ratio Lower Upper

105 100

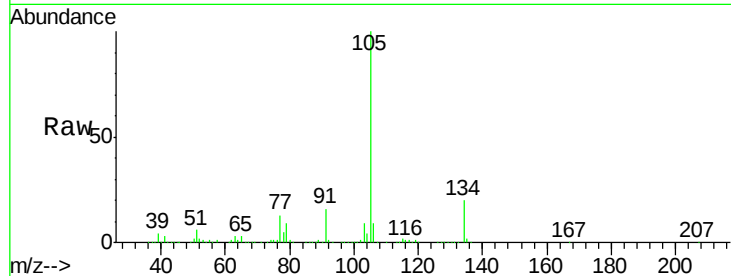
134 19.6 9.8 29.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

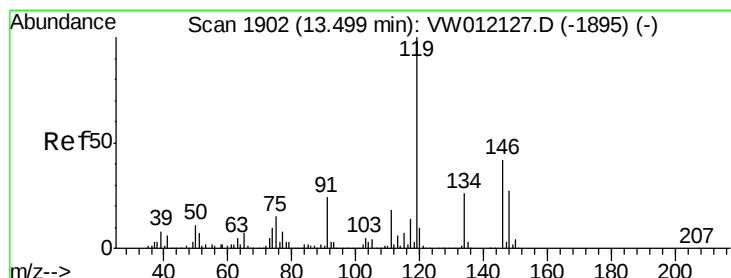
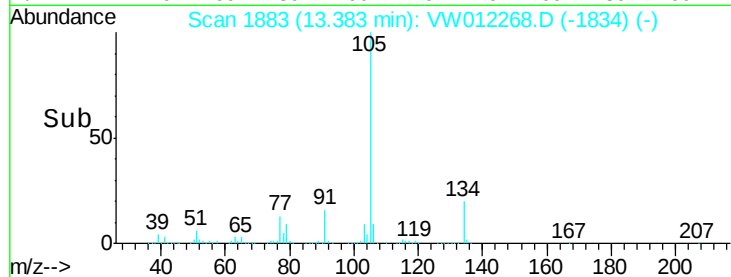
300000

200000

100000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 51.110 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

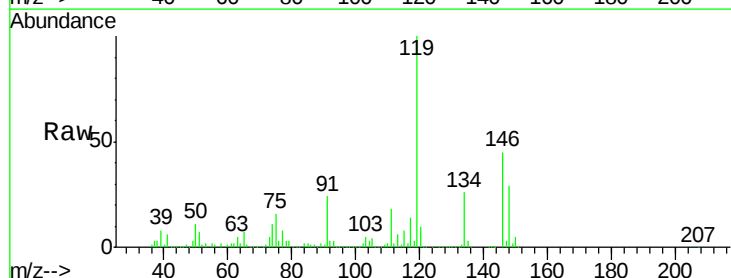
Tgt Ion:119 Resp: 570938

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.3 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

400000

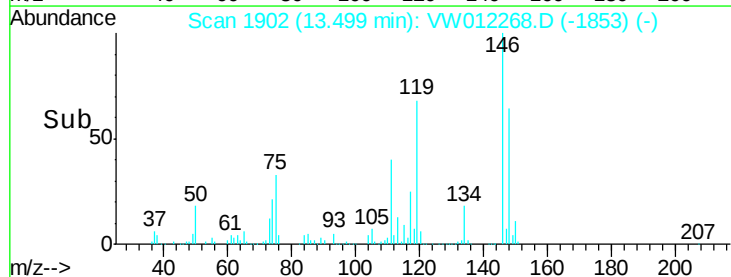
300000

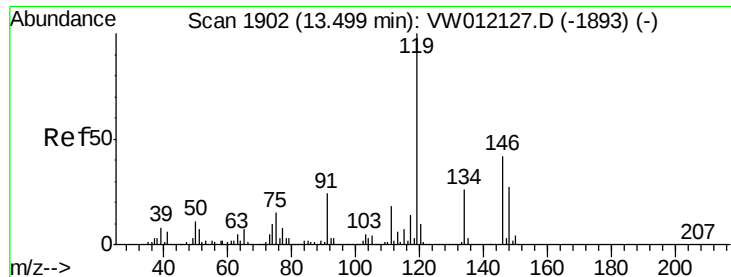
200000

100000

0

Time--> 13.40 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 50.834 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

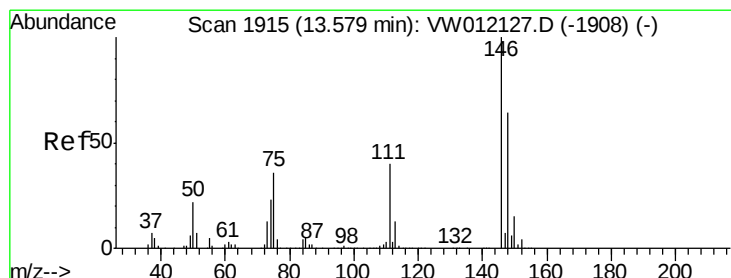
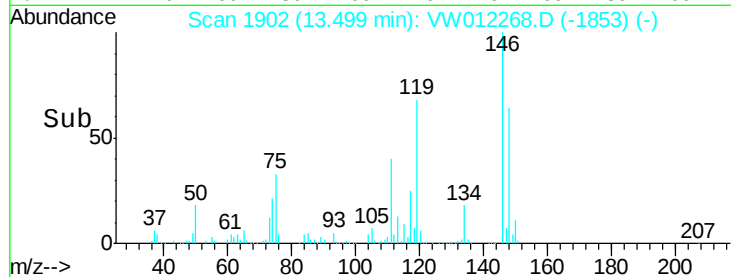
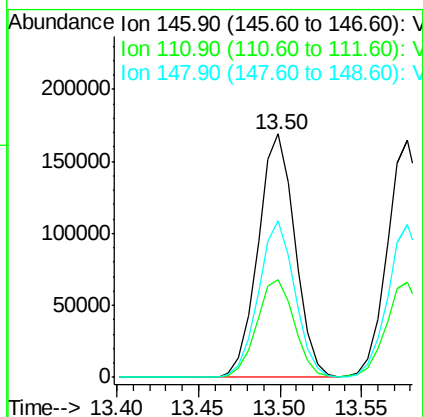
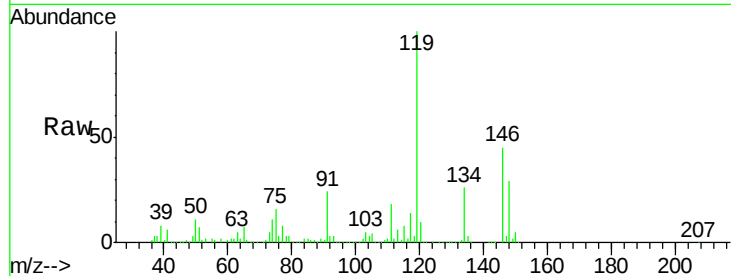
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	265330
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.9	62.7
148	63.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 50.635 ug/l

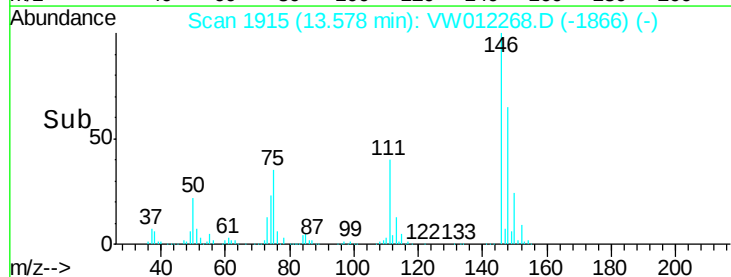
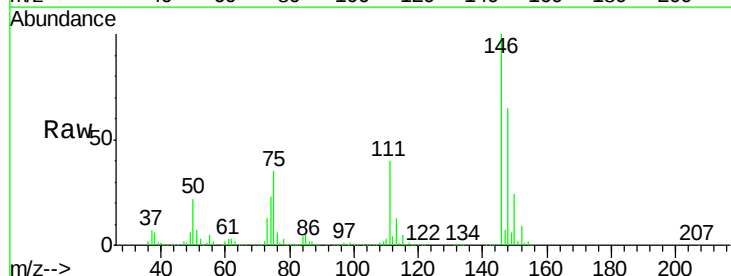
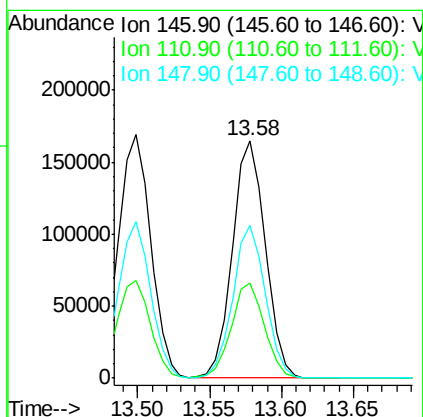
RT: 13.58 min Scan# 1915

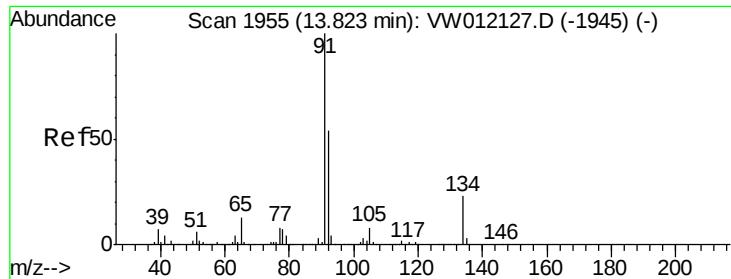
Delta R.T. -0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion:	146	Resp:	262418
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.0	60.0
148	63.8	32.1	96.3





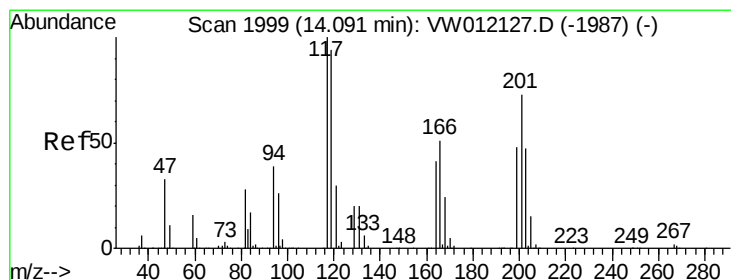
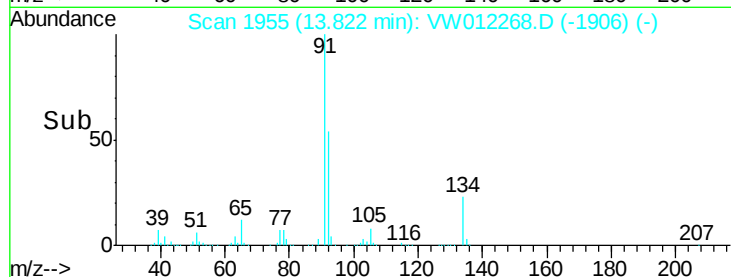
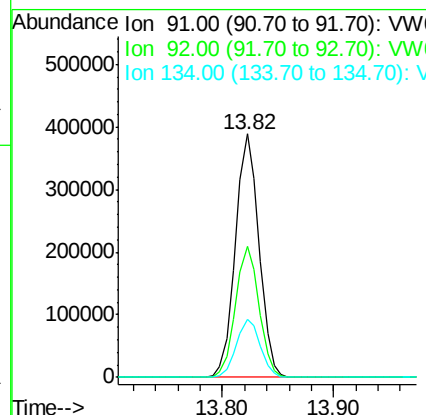
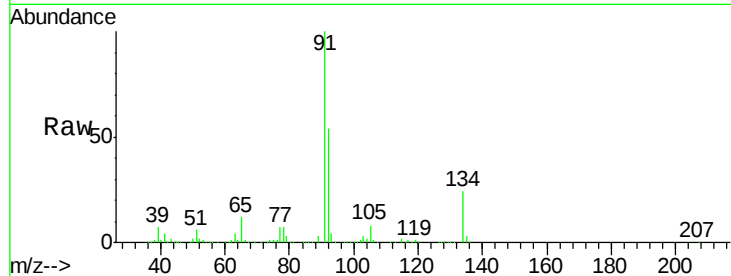
#89
n-Butylbenzene
Concen: 51.181 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	24.3	12.2	36.4

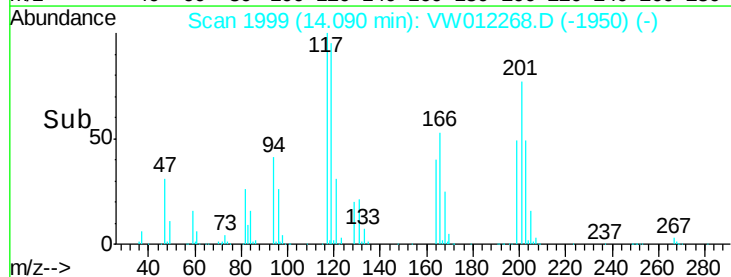
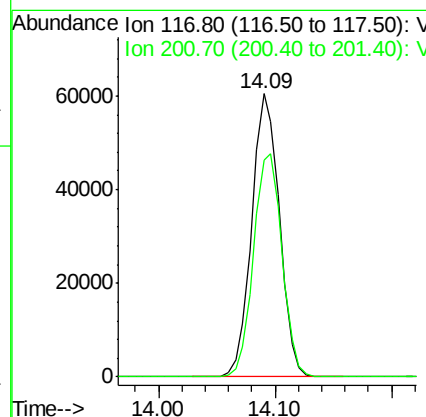
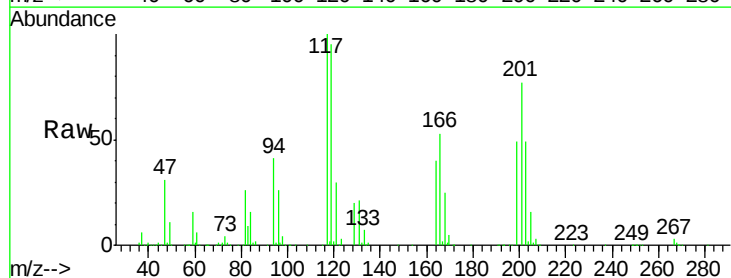
Manual Integrations
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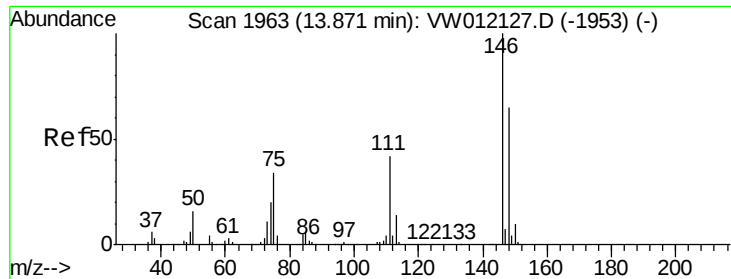
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8/29/2019 9:41:39 AM



#90
Hexachloroethane
Concen: 51.365 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012268.D
Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	38.6	115.7





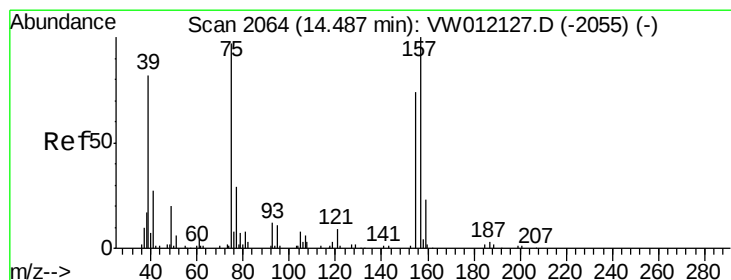
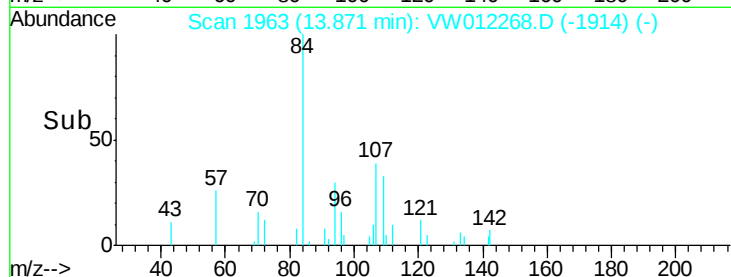
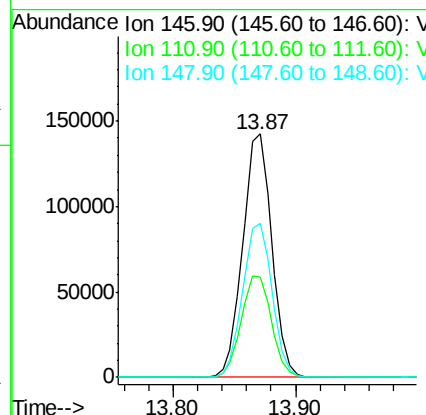
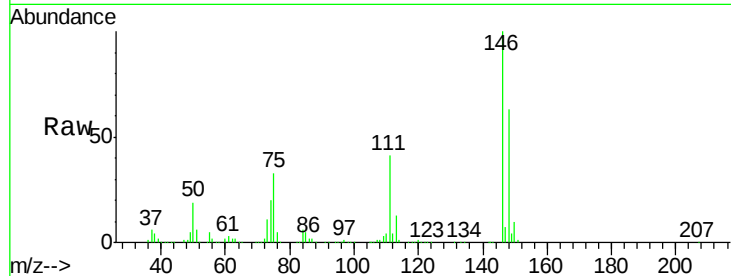
#91
 1,2-Dichlorobenzene
 Concen: 51.241 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.2	63.6
148	64.1	32.5	97.4

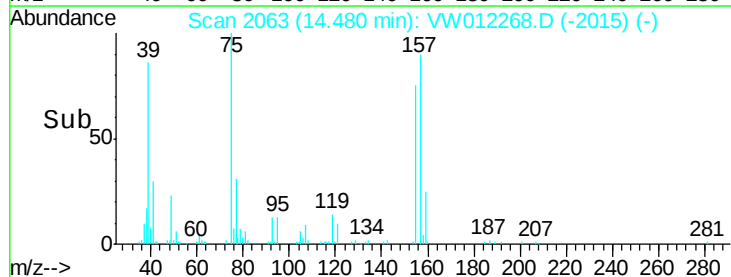
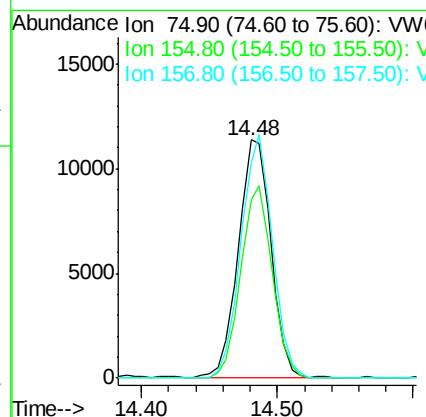
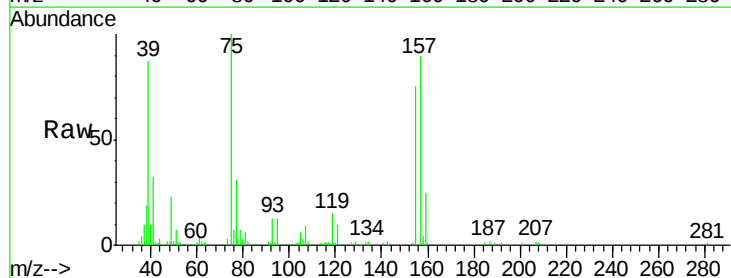
Manual Integrations
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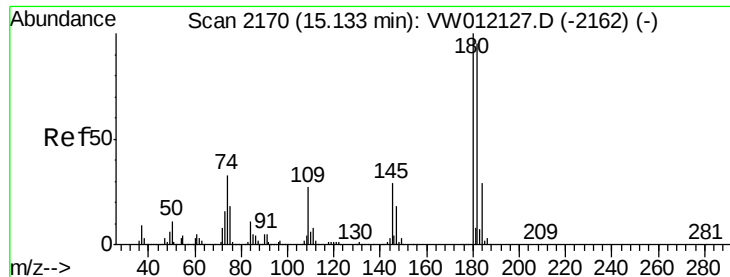
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.112 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	37.5	112.3
157	97.7	50.5	151.5





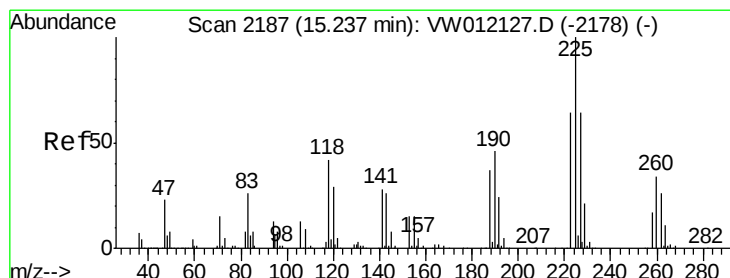
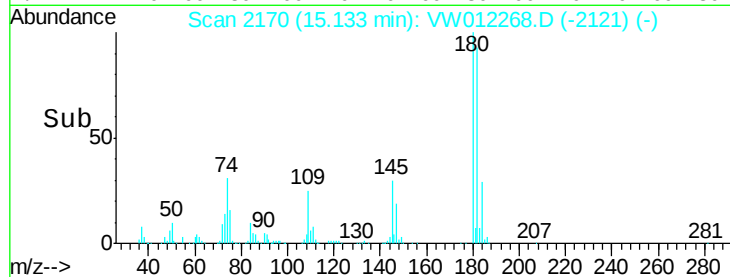
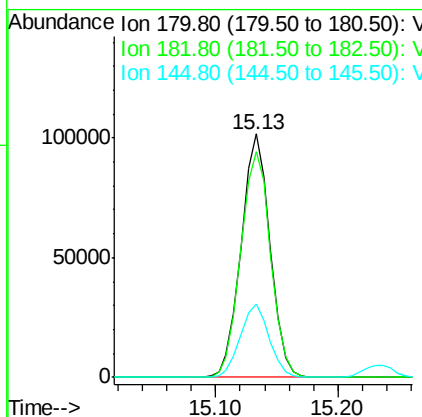
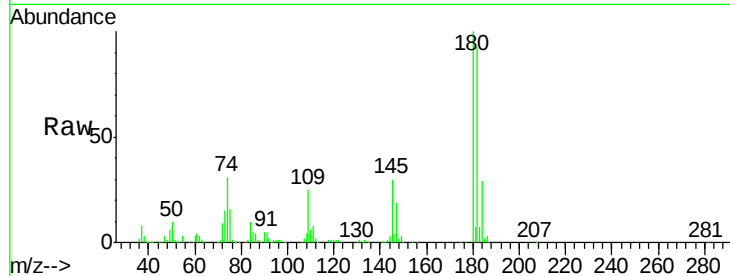
#93
 1,2,4-Trichlorobenzene
 Concen: 52.443 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	165943		
182	95.9	47.8	143.4	
145	30.2	15.0	45.1	

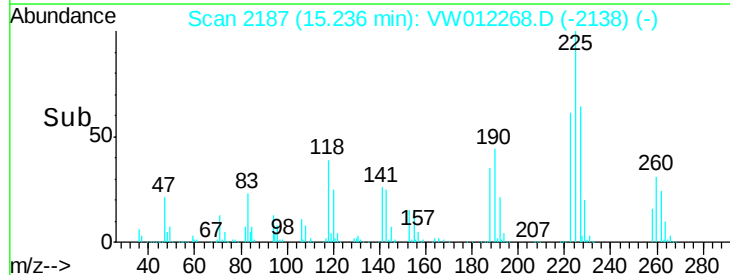
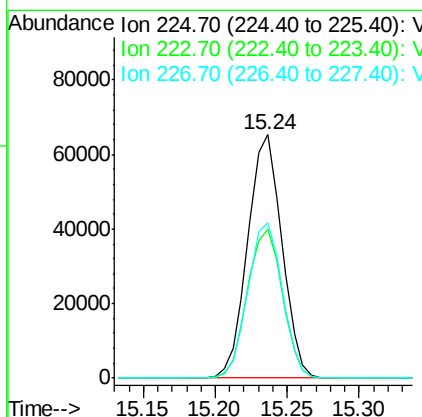
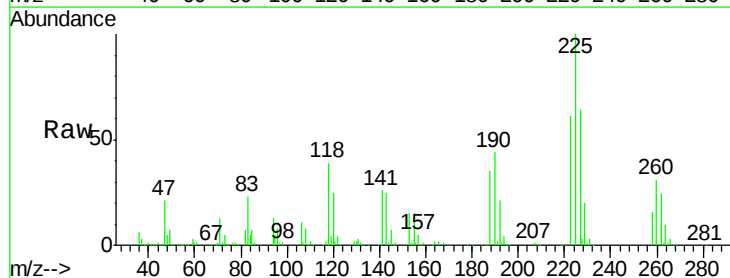
Manual Integrations
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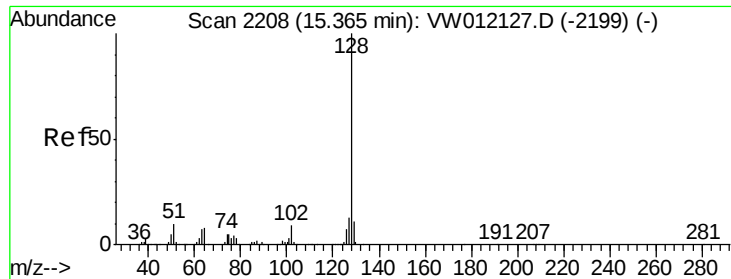
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#94
 Hexachlorobutadiene
 Concen: 51.271 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012268.D
 Acq: 28 Aug 2019 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107123		
223	62.8	32.3	96.8	
227	64.7	32.9	98.6	





#95

Naphthalene

Concen: 50.585 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Instrument :

MSVOA_W

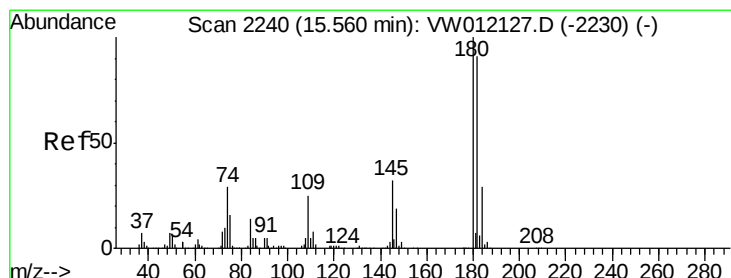
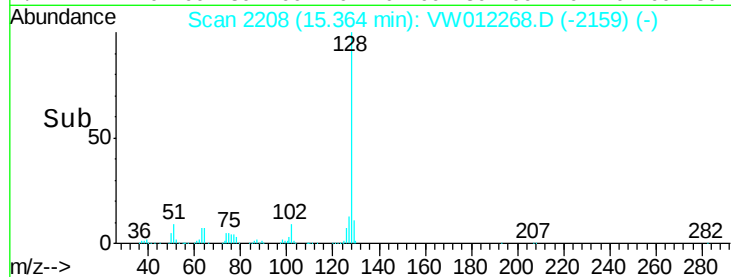
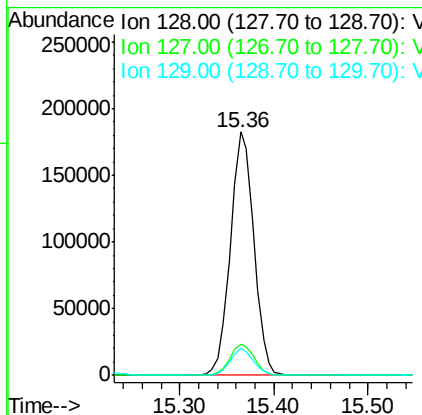
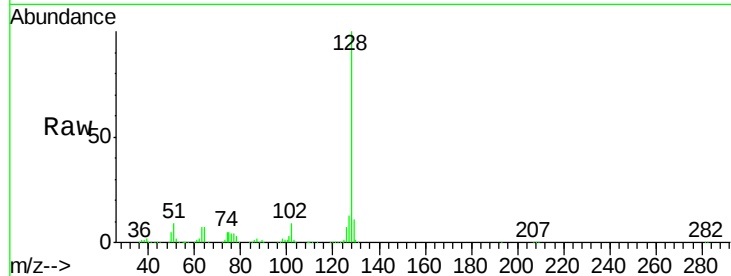
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	314438
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.7	16.1
129	10.8	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 53.543 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012268.D

Acq: 28 Aug 2019 22:34

Tgt Ion:	180	Resp:	147820
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.1	141.3
145	31.5	16.2	48.5

